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UNIVERSITY OF MARYLAND

ONE HUNDRED AND FIFTH
ANNUAL ANNOUNCEMENT
OF THE

SCHOOL OF MEDICINE

N. E. Corner Lombard and Greene Streets

BALTIMORE, MARYLAND

SESSION 1911 - 1912

BALTIMORE
WILLIAMS & WILKINS COMPANY
1911

CALENDAR.

One Hundred and Fifth Annual Session.

1911.

June 1 to September 30.—Daily Clinics at University Hospital.
October 2.—Regular Session begins.
October 16.—Re-examination of Deficient Students and Examination for Advanced Standing.
November 30.—Thanksgiving Day, Holiday.
December 22.—Christmas Recess begins. 6 p.m.

CHRISTMAS RECESS.

1912.

January 3.—Lectures resumed. 9 a.m.
February 22.—Holiday.
May 15.—Final Examinations begin.
June 1 (about).—Commencement, Annual Meeting of Alumni Association.

DEPARTMENTS
OF THE
UNIVERSITY OF MARYLAND.

THE UNIVERSITY is represented by five departments, each having a distinct Faculty of Instruction.

1st. THE COLLEGE OF LIBERAL ARTS at Annapolis, Md. St. John's College, Annapolis, Md., founded in 1696, has by affiliation become the Department of Arts and Sciences. The curriculum leads to the degree of Bachelor, or Master of Arts or Sciences.

2d. THE SCHOOL OF MEDICINE in Baltimore, Md. This school was established in Baltimore, Md., in 1807, and offers a high-grade course in medicine, extending over a period of four years, and leading to the degree of Doctor of Medicine.

3d. THE SCHOOL OF LAW in Baltimore, Md. This school, founded in 1812 and reorganized in 1869, is designed by means of a course of study covering three years to qualify its students for the degree of Bachelor of Laws and for an intelligent practice of the Law.

4th. THE DEPARTMENT OF DENTISTRY was founded in 1882, and is designed to teach the art of dentistry as an integral part of the School of Medicine. The course of study leading to the degree of Doctor of Dental Surgery covers a period of three years.

5th. THE DEPARTMENT OF PHARMACY was established in 1840 as the Maryland College of Pharmacy, and affiliated with the School of Medicine in 1904. The course of study covers two years, and leads to the degree of Doctor of Pharmacy.

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The duty of this council is to formulate the scheme of studies to be pursued by students desiring both an academic and a professional, or scientific degree, and to act upon such other matters as may be brought before them.

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The Pro-Chancellor,
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The Vice-Chancellor,
THOMAS FELL, Ph.D., LL.D., D.C.L.
President of St. John's College.

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For St. John's College.

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RANDOLPH WINSLOW, A.M., M.D., LL.D.
For School of Medicine.

PROFESSORS HENRY D. HARLAN, LL.D., and W. T. BRANTLY, A.M.
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PROFESSOR CHARLES CASPARI, Jr., Phar.D.,
For School of Pharmacy.

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L. E. Neale, M.D., LL.D., Professor of Obstetrics.

Chas. W. Mitchell, A.M., M.D., Professor of Medicine and Diseases of Children.

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J. Holmes Smith, M.D., Professor of Anatomy and Clinical Surgery.

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Wm. D. Scott, Jr., M.D., Associate in Genito-Urinary Diseases.

G. C. Lockard, M.D., Associate in Medicine, and Director of the Clinical Laboratory.

E. H. Kloman, M.D., Associate in Obstetrics.

Page Edmunds, M.D. Associate in Genito-Urinary Diseases.

Wm. Tarun, M.D., Associate in Ophthalmology.

W. I. Messick, M.D., Lecturer on Clinical Medicine.

H. C. Hyde, M.D., Lecturer on Pathology and Bacteriology.

R. H. Johnston, A.B., M.D., Lecturer on Diseases of the Throat and Nose.

H. J. Maldeis, M.D., Lecturer on Histology and Embryology, and Associate Pathologist, University Hospital.

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C. C. Conser, M.D., A. H. Carroll, M.D., Demonstrators of Physiology.

G. S. M. Kieffer, M.D., Demonstrator of Histology and Embryology.

H. L. Sinsky, M.D., Demonstrator of Materia Medica.

John A. Tompkins, Jr., M.D., Instructor in Minor Surgery and Bandaging.

Compton Riely, M.D., Instructor in Surgery.

J. D. Reeder, M.D., Instructor in Osteology and Proctology.

H. W. Brent, M.D., Instructor in Gynecology.

M. J. Cromwell, M.D., Instructor in Clinical Surgery.

J. F. Hawkins, M.D., G. M. Settle, M.D., Instructors in Neurology.

Robert P. Bay, M.D., Instructor in Surgery.

R. C. Metzel, M.D., G. S. M. Kieffer, M.D., J. F. O'Mara, M.D., H. W. Jones, M.D., H. D. McCarty, M.D., Instructors in Medicine.

J. Holmes Smith, Jr., M.D., C. C. Smink, M.D., Instructors in Osteology.

F. S. Lynn, M.D., F. J. Kirby, M.D., Instructors in Surgery.

Henry Chandlee, M.D., Instructor in Radiography.

R. C. Metzel, M.D., Leo Karlinsky, M.D., Assistants in Pathology and Bacteriology.

W. F. Sowers, M.D., H. W. Brent, M.D. Assistants in Histology and Embryology.

J. Holmes Smith, Jr., M.D., G. M. Settle, M.D., R. G. Willse, M.D., Assistant Demonstrators of Anatomy.

G. W. Hemmeter, M.D., Assistant Demonstrator of Physiology.

H. U. Todd, M.D., Assistant in Clinical Pathology.

J. Holmes Smith, Jr., M.D., Prosector to the Professor of Anatomy.

Dispensary Physicians and Chiefs of Clinics.

Arthur M. Shipley, M.D., Chief of Out-Patient Department.

John Houff, M.D., Dispensary Physician.

G. C. Lockard, M.D., H. U. Todd, M.D., S. R. Clarke, M.D., Chiefs of Clinic to the Professor of Medicine and Pediatrics.

J. K. Insley, M.D., C. C. Smink, M.D., F. Levinson, M.D., H. M. Robinson, M. D., J. H. Von Dreele, M.D., J. E. O'Neill, M.D., Assistants.

John G. Jay, M.D., Chief of Clinic to the Professor of Surgery, M. J. Cromwell, M.D., John A. Tomkins, Jr., M.D., J. Fred. Adams, M.D., J. Holmes Smith, Jr., M.D., J. D. Reeder, M.D., F. S. Lynn, M.D., Assistants.

E. H. Kloman M.D., Chief of Clinic to the Professor of Obstetrics.

W. K. White, M.D., H. W. Brent, M.D., R. L. Mitchell, M.D., R. G. Willse, M.D., Chiefs of Clinic to the Professor of Diseases of Women, E. S. Perkins, M.D., Assistant.

Wm. Tarum, M.D., Chief of Clinic to the Professor of Eye and Ear Diseases.

J. R. Abercrombie, M.D., Chief of Clinic to the Professor of Dermatology.

A. H. Carroll, M.D., Chief of Clinic to the Professor of Diseases of the Stomach.

H. C. Davis, M.D., Chief of Clinic to the Professor of Diseases of the Throat and Nose. H. M. Robinson, M.D., Assistant.

Arthur De T. Valk, M.D., Chief of Clinic to the Professor of Orthopedic Surgery. Howard E. Ashbury, M.D., Assistant.

Wm. D. Scott, Jr., M.D., Chief of Clinic of Genito-Urinary Diseases. A. J. Underhill, M.D., Assistant.

G. M. Settle, M.D., Chief of Clinic to the Professor of Neurology and Psychiatry, J. F. Hawkins, M.D., A. L. Fehsenfeld, M.D., Assistants.

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Mr. A. D. Johnson, Secretary to the Dean and Superintendent of College Buildings.

UNIVERSITY OF MARYLAND.

The School of Medicine of the University of Maryland is one of the oldest institutions of medical education in America, having been chartered in 1807, under the title of the College of Medicine of Maryland.

Five years later, in 1812, by authority of the General Assembly of Maryland, the College of Medicine of Maryland was empowered to annex to itself three other colleges or faculties, viz: The Faculty of Divinity, the Faculty of Law, and the Faculty of Arts and Sciences, and the four faculties or colleges thus united were "constituted an University by the name and under the title of the University of Maryland."

The Medical School of the University is thus its oldest department and ranks fifth, in point of age, among the medical colleges of the United States.

Throughout the century of its existence it has always taken rank as one of the leading medical colleges of the South, and among the most widely known and most highly honored of the schools of medicine of the country.

Beginning with the modest number of five, composing the first graduating class in 1810, the list of graduates in medicine of the University of Maryland, now numbers five thousand seven hundred and ninety-one names, drawn from all parts of the United States and from abroad, among which are to be found some of the most noted names connected with the history of medicine in our country.

While from the foundation of the University of Maryland, the policy of the Faculty of Physic has been one of wise conservatism, it has, at the same time, never been behindhand in the march of educational progress, and while retaining for so long a time as they were of real value, those features of older educational methods which were wisest and best, they have often been first, and always among the first, in the adoption of all measures tending to improvement in methods of medical teaching, and to true elevation of the standard of medical education.

In illustration of this we may mention the following facts:

The School of Medicine of the University of Maryland was the first medical school in America to make dissecting a compulsory part of the curriculum. [1833.]

It established one of the first Medical Libraries and the first Medical College Library in the country. [1813.]

It was among the first to teach Hygiene and Medical Jurisprudence. [1883.]

It was the first to give instruction in Dentistry. [1837.]

It was among the first to meet the modern demand for instruction in specialties. [1866.]

It was the first medical school in America to establish separate and independent chairs of Diseases of Women and Children [January, 1867], and of Eye and Ear Diseases. [1873.]

It was among the very first to provide for adequate clinical instruction by the erection of its own hospital, available at all times for the use of the students. [1823.]

It is the aim of the present Faculty of Physic of the University of Maryland to carry out this policy established by its predecessors.

With this end in view, the Faculty has, in the last few years, expended, and is now expending, large amounts in the establishment and equipment of its Lying-in Hospital, its Laboratories of Chemistry, Histology, Pathology and Bacteriology, in the erection of the University Hospital, which was completed in 1897, and in the erection of a new Laboratory Building, just completed, and is therefore in a position to offer to students of medicine and graduates a course of combined didactic, clinical and laboratory instruction which will compare favorably with that offered by any medical school in the United States.

The details of this course will be found in the following announcement of the one hundred and fifth annual course of instruction of the School of Medicine of the University of Maryland.

UNIVERSITY OF MARYLAND.

SCHOOL OF MEDICINE.

ANNOUNCEMENT OF THE ONE HUNDRED AND FIFTH ANNUAL COURSE OF INSTRUCTION.

SESSION 1911-1912.

The One Hundred and Fifth Annual Session of the School of Medicine of the University of Maryland will begin on Monday, October 2, 1911, and terminate on June 1, 1912. During the session there is a vacation from December 22, 1911, to January 3, 1912, and there are no lectures on Thanksgiving Day and Washington's Birthday.

Clinical lectures introductory to the regular session are given daily throughout September.

COURSE OF INSTRUCTION.

Four annual graded courses of not less than eight months each will be required for graduation. Every applicant for advanced standing will be required to present satisfactory evidence of having attended courses reasonably equivalent to those already attended by the class to which he seeks admission; to be examined for admission in all the subjects in which the said class shall have been examined already, or to present satisfactory certificates of having passed successfully examinations upon those subjects. Opportunity for taking such examinations will be afforded previous to the opening of each annual session.

The system of instruction for the four years' graded course, with the number of hours in each week devoted to each subject, is shown in the following schedule:

First Year.

Physiology.—Lectures and recitations, 3 hours. Dr. Conser.
Demonstrations, 3 hours. Dr. Conser.

Chemistry.—Illustrated lectures on General Chemistry, 2 hours. Prof. Coale.
Laboratory work, 6 hours. Prof. Base.

Anatomy.—Lectures and Recitations, 3 hours. Prof. Smith.

Osteology.—Recitations and demonstrations in class sections, 2 hours. Instructors in Osteology.
Dissections, by class sections, daily, 2½ hours. Prof. Holland and assistants.

Materia Medica.—Lectures and recitations, 2 hours. Prof. Shipley, Laboratory work, 1 hour. Dr. Sinsky.

Normal Histology and Embryology.—Laboratory work and Demonstrations, 6 hours. Dr. Maldeis and assistants.

History of Medicine, 1 hour.—Prof. Cordell.

The class divisions are so arranged that work in the laboratories and dissecting-room is evenly distributed throughout the term.

At the end of the first year examinations are held in Osteology Anatomy, Physiology, and the Laboratory Courses in Chemistry, Histology and Embryology.

Second Year.

Physiology.—Lectures and recitations, 3 hours. Prof. Hemmeter.
Laboratory work, 3 hours. Dr. Conser.

Surgery.—Bandaging and application of surgical apparatus, 3 hours, in class. sections. Dr. Tompkins.

Chemistry.—Illustrated lectures on Organic and Physiological Chemistry, 1 hour. Prof. Coale.
Laboratory work, 4 hours.

Anatomy.—Lectures, recitations and demonstrations, 3 hours. Prof. Smith.
Dissections by class sections, daily 22 hours. Prof. Holland and assistants.

Materia Medica.—Lectures and Recitations, 2 hours. Prof. Shipley.
Laboratory work, 2 hours, Prof. Shipley and Dr. Sinsky.

Medical Jurisprudence and Hygiene, 1 hour. Prof. J. T. Smith.

Bacteriology.—Lectures and Laboratory work, 10 hours, half session. Prof. Hirsh and assistants.

Pathology.—Lectures and demonstrations, 1 hour. Prof. Hirsh.
Laboratory work, 6 hours, Prof. Hirsh and Assistants.

Physical Diagnosis.—Class sections, 1 hour. Dr. Lockard.

At the end of the second term the student, before being admitted to the third year's class, must stand final examinations in Anatomy, Materia Medica, Physiology, Chemistry, Medical Jurisprudence and Hygiene, General Pathology, Bacteriology, State Medicine, the application of surgical apparatus and bandaging and all Laboratory Courses. He must also produce evidence that his work in the dissecting-room and laboratories has been satisfactory. Should he fail to pass a successful examination in any of these branches, a second opportunity will be afforded him at the opening of the regular session in the autumn; failing in this, such studies for the second year must be repeated.

Third Year.

Practice of Medicine.—Lectures and recitations, 3 hours. Prof. Mitchell.
Clinical Lectures and Conferences at University Hospital 1 hour. Associate Professors Clinical Medicine.

Diseases of Children.—Clinical Conferences at University Hospital, 1 hour. Prof. Mitchell.

Diseases of Women.—Lectures and Recitations, 1 hour, Prof. Ashby. Clinical lectures at University Hospital, 2 hours. Prof. Ashby.

Physical Diagnosis.—Class sections, 1 hour. Instructors in medicine.

Eye and Ear Diseases.—Clinical lectures at University Hospital, 1 hour Prof. Woods.

Surgery.—Lectures and Recitations on general surgery, 3 hours. Prof. Shipley.
Clinical lectures at University Hospital, 2 hours. Prof. Winslow and assistants.

Demonstrations in Operative Surgery in class sections, 1 hour. Profs. Martin, Spruill, and N. Winslow.

Obstetrics.—Lectures, 2 hours. Prof. Neale.

Demonstrations, practical instruction with the manikin, and recitations, 1 hour.

Clinical Obstetrics at Maternity Hospital, 1 hour.

Therapeutics.—Lectures and Recitations, 2 hours. Prof. Adler.

Physical Therapeutics.—Lectures and Recitations, 1 hour. Prof. Gichner.

Special Pathology—Lectures and demonstrations, 4 hours. Prof. Hirsh.

Laboratory work and demonstrations, 6 hours, half session. Prof. Hirsh and assistants.

Neurology.—Lectures, 1 hour. Prof. Spear.

Special Clinics.—Diseases of the Nervous System, 1 hour. Prof. Spear.

Clinical Pathology.—Class sections, 6 hours. Dr. Lockard.

At the end of the third session the student is admitted to examination in Principles and Practice of Medicine, Therapeutics, Obstetrics, Diseases of Women, Principles of Surgery, Pathology, Operative Surgery, and Clinical Pathology.

Fourth Year.

Practice of Medicine.—Clinical Lectures and Conferences at University Hospital 2 hours. Prof. Wilson.

Clinical lectures, Bayview Hospital. Profs. of Clinical Medicine.

Ward and Dispensary Instruction, 6 hours. Professors of Clinical Medicine.

Diseases of Children.—Lectures and recitations, 1 hour. Prof. Mitchell.

Clinical Conference, 1 hour. Prof. Mitchell.

Dispensary instruction, 1 hour, class sections. Prof. Mitchell and assistants.

Diseases of Women.—Clinical lectures, Ward and Dispensary instruction, 4 hours. Profs. Ashby and Hundley.

Eye and Ear Diseases.—Lectures, 2 hours. Prof. Woods.

Clinical lecture, 1 hour, class sections, Prof. Woods.

Demonstrations, Eye and Ear Hospital, 2 hours. Drs. Chisolm, Gibbons, Fleming, and Johnston.

Demonstrations, Eye and Ear Dispensary, 1 hour.

Surgery.—Clinical lectures at University Hospital, 2 hours. Prof. Winslow and assistants.

Lecture and Clinical Conference in Surgery, 3 hours. Prof. Winslow.

Ward and Dispensary instruction, 6 hours, class sections. Prof. Winslow and assistants.

Genito-Urinary Surgery.—1 hour. Prof. Timberlake.

Orthopedic Surgery.—University Hospital, 1 hour. Prof. Taylor.

Demonstrations at Hospital for Crippled Children, 1 hour. Prof. Taylor and Dr. Riely.

State Medicine.—Lectures and Conference, 1 hour. Prof. Fulton.

Obstetrics.—Clinical Conference, 1 hour. Prof. Neale.

Attendance upon labor cases in and out of hospital. Ward classes, 4 hours

History of Medicine.—1 hour. Prof. Cordell.

Diseases of the Throat and Nose.—Clinical Lectures, 1 hour. Prof. J. R. Winslow.

Dispensary instruction, 6 hours, class sections. Drs. Johnston and Davis

Nervous and Mental Diseases.—Lectures, 1 hour. Clinics, 1 hour. Prof. Spear. Ward classes, 2 hours. Prof. Spear and Assistants.

Dispensary Instruction, class sections, 5 hours. Prof. Spear and Assistants

Weekly Clinics at Bayview Hospital during January, February and March. Prof. Spear.

Special Clinics.—Diseases of the Skin, 1 hour. Prof. Gilchrist.

Diseases of the Stomach, 1 hour. Prof. Hemmeter.

At the end of the fourth year the student is admitted to the final examinations upon Medicine, Diseases of Children, Diseases of Eye and Ear, Surgery, Clinical Obstetrics, and the other special clinical courses, and upon passing successfully upon these branches will be admitted to the degree of Doctor of Medicine.

THE FOLLOWING WAS THE SCHEDULE FOR 1910–1911.

FIRST YEAR.

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9		Osteology	Chemical Laboratory		Chemical Laboratory	History of Medicine
10	Chemistry	Chemistry		Chemistry		Anatomy
11	Anatomy	Histological Laboratory	Anatomy	Osteology	Histological Laboratory	Histological Laboratory
12	Physiology		Physiology	Physiology		
2	Materia Medica	Materia Medica	Osteology	Materia Medica	Osteology	Osteology
2 to 5	Chemical Laboratory 2d half year				Chemical Laboratory 2d half year	
3 to 5.30	Dissecting 1st half year	Dissecting 1st half year	Dissecting 1st half year	Dissecting 1st half year	Dissecting 1st half year	Dissecting 1st half year

SECOND YEAR.

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9	Materia Medica and Pharmacology Laboratory	Physical Diagnosis	Hygiene	Physical Diagnosis	Physical Diagnosis	
10		Physiological Chemistry Laboratory	Materia Medica	Chemistry	Materia Medica	Physiological Chemistry Laboratory
11	Minor Surgery		Minor Surgery	Minor Surgery	Minor Surgery	Pharmacology Laboratory 2d half year
12	Physiology	Anatomy	Physiology	Physiology	Anatomy	Anatomy
1		Bacteriology 1st half year			Bacteriology 1st half year	
1.30 to 3.30	Pathology 2nd half year		Pathology 2d half year	Pathology 2d half year		
3.30 to 5.30	Bacteriology Laboratory Dissecting 2nd half year	Physiological Laboratory Dissecting 2d half year	Bacteriology Laboratory Dissecting 2d half year	Bacteriology Laboratory Dissecting 2d half year	Physiological Laboratory Dissecting 2d half year	Dissecting 2d half year

THIRD YEAR.

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9	Surgery	Surgery	Therapeutics	Surgery	Therapeutics	Medical Clinic
10	Obstetrics	Gynecology	Operative Obstetrics	Surgical Clinic	Obstetrics	Ward Classes at Hospital for Crippled Children
11	Medicine		Medical Clinic		Medicine	
12	Operative Surgery	Operative Surgery	Operative Surgery	Operative Surgery	Operative Surgery	Operative Surgery
1	Physical Diagnosis	Physical Diagnosis	Physical Diagnosis	Physical Diagnosis	Physical Diagnosis	Physical Diagnosis
2	Neurology	Pathological Laboratory	Clinical Laboratory	Clinical Laboratory	Pathological Laboratory	Bay View Hospital Physical Diagnosis 2d half year
3–5	Clinical Laboratory					

FOURTH YEAR

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9	Medicine	Pediatrics	Obstetrical Conference	State Medicine	Medicine	State Medicine
10	Ward Classes	Ward Classes	Ward Classes	Surgical Clinic	Ward Classes	Gynecological Operations
12	Dispensary Instruction	Dispensary Instruction	Dispensary Instruction	Dispensary Instruction	Dispensary Instruction	Dispensary Instruction
1	Surgical Clinic	Medical Clinic	Children's Clinic	Women's Clinic	Stomach Clinic	Genito-Urinary Clinic
2	Dispensary Instruction	Dispensary Instruction	Dispensary Instruction	Dispensary Instruction	Mental Diseases	Dispensary Instruction
3	Skin Clinic	Neurology Clinic	Orthopedic Clinic	Throat and Nose Clinic	Eye and Ear Clinic	Clinic at Bay View Hospital
4	Eye and Ear Diseases	Surgery	Neurology	Surgery	Surgery	Clinic at Bay View Hospital

CLINICAL INSTRUCTION.

Throughout the entire period of existence of the School of Medicine of the University of Maryland, clinical teaching has always been a prominent and important feature in the course of instruction.

The ownership and exclusive control by the Faculty of Physic of the University Hospital and the Maternity Hospital of the University of Maryland, and the clinical privileges enjoyed by the University in the Presbyterian Eye, Ear and Throat Charity Hospital, the Hospital for Crippled and Deformed Children, Bayview Hospital, and other institutions for the sick in the city, place the Faculty in a position to make unusually prominent this important feature of a medical course, and have enabled it to organize and carry into effect a system of thorough clinical teaching whereby each member of the several class sections is brought into direct personal contact with the cases under examination.

In addition to the regular daily clinical lectures in the amphitheater, much attention is given to this *strictly bedside* instruction.

The students, in small classes, are required to accompany the physician or surgeon through the wards of the hospital, and are there trained in making diagnosis, in the dressing of wounds, the application of splints, plaster jackets and other appliances, and in use of the ophthalmoscope and laryngoscope, and are enabled to observe the progress of cases under treatment.

In the Dispensaries and Out-patient Departments, students have similar opportunities of familiarizing themselves with methods of diagnosis and treatment in the various specialties of medicine and surgery, and of observation of such cases as do not require confinement in bed.

To the student of medicine the value of the training and encouragement thus afforded him in habits of close and accurate observation, of self-possession and self-reliance, in the future practice of his profession, can hardly be overestimated.

HOSPITALS AND DISPENSARIES.

UNIVERSITY HOSPITAL.

The University Hospital, which is the property of the Faculty of Physic of the University of Maryland, is the oldest institution for the care of the sick in the State of Maryland. It was opened in September, 1823, under the name of the Baltimore Infirmary, and at that time consisted of but four wards, one of which was reserved for eye cases. By successive additions this hospital was increased to more than fourfold its original accommodations, there being added to it a large clinical amphitheater, a students' building for the accom-

modation of the thirty clinical assistants, and a nurses' building for the accommodation of the pupils of the Training School for Nurses. The yearly increase in the number of patients seeking admission to the hospital however, more than kept pace with the increase in accommodations, and the Faculty therefore erected an entirely new and modern hospital of fully double the capacity of the former building.

The University Hospital is constructed of brick and Tennessee limestone in the Colonial style of architecture, fronting 175 feet upon Lombard Street, and about the same on Greene Street. It is supplied with the most modern and approved system of heating, ventilation, etc., and equipped with all modern requirements and conveniences for the care of the sick, and for the clinical instruction of the students of the University.

It is one of the largest and finest hospitals owned and controlled by any medical school in America, and in point of architectural beauty, convenience and completeness of arrangements and equipment compares favorably with other hospitals.

An important adjunct to the hospital is the postmortem building, which is constructed with special reference to the instruction of students in pathological anatomy.

The hospital is situated opposite the University building, so that the student loses no time in passing from the lecture halls to the clinical amphitheater.

A portion of the hospital is used as the

MARINE HOSPITAL.

for foreign seamen. The great importance of Baltimore as a shipping point brings into her harbor many vessels from all parts of the world, and the sick sailors who are cared for in the wards of the institution give the students an opportunity to observe a large variety of diseases. Another considerable portion of the building is used as a

CITY HOSPITAL.

and contains charity beds supported by the city of Baltimore. This department of the hospital is taxed to its utmost capacity to afford accommodations for the patients seeking admission.

Owing to its location, being the nearest hospital to the largest manufacturing district of the city, the University Hospital receives for treatment a very large number of accident cases of all kinds, both slight and serious. These cases, as well as patients suffering from

the various diseases of our own climate, occupy the beds, and add greatly to the facilities of clinical teaching enjoyed by the school. The facilities for clinical instruction have been greatly enlarged by an appropriation by the State of Maryland for the support of free beds for patients from the various counties.

UNIVERSITY DISPENSARY OR OUT-PATIENT DEPARTMENT.

This department of the University Hospital furnishes a most abundant supply of material for clinical instruction. During the past year the number of visits made by patients to the various departments of the Dispensary was 28,244.

The whole department is arranged and thoroughly organized to facilitate the classification of the patients coming under treatment and their distribution to the various professors giving clinical lectures.

During the intervals between the sessions the regular clinics are continued in the amphitheater, and there is also, each day, a bedside clinic in the hospital and service in the Dispensary. It will thus be seen that the school offers unusual facilities for clinical study during its regular session, and that the continuance of the clinics during the year affords opportunity to such students and graduates as can spend their time in the city.

Attention is called to the fact that during the intervals between the sessions, from June to October, students have the advantage of *three hours of clinical instruction daily,* between the hours of 11 a.m. and 2 p.m.

RESIDENT STUDENTS.

Accommodations are provided in dormitories adjacent to the hospital for resident students. To these are assigned wards in the hospital, with attendance upon the sick, under the daily supervision of the professors of the University and resident house officers. Special attention is called to the fact that in this institution undergraduates are permitted to enjoy the very great advantages of constant observation of the sick and of receiving daily bedside instruction from the members of the Faculty. Rotation in ward service is the rule adopted, in order that the experience of the students may be as varied as possible.

MATERNITY HOSPITAL OF THE UNIVERSITY OF MARYLAND.

This institution is also the property of the Faculty of Physic, and under its exclusive control and direction, and is conducted with the

special purpose of furnishing actual obstetrical experience to each member of the graduating class.

New accommodations have been provided in the general hospital, and the Maternity Department now offers better facilities than ever before. The private rooms and wards are modern in all respects, and the large increase in clinical material has made it possible to offer excellent opportunities for post-graduate work.

Three resident physicians are annually appointed to this hospital from among the graduates of the University.

For purposes of instruction in this most important branch, the members of the Senior Class, after a course of instruction by the Demonstrator of Obstetrics on the manikin, are taken in sections of two students each, into the wards of the hospital, where, under the direct and immediate supervision of the Professor of Obstetrics and his Chief of Clinic, they are thoroughly instructed in vaginal examination and the antiseptic precautions to be taken in making such examination, abdominal palpation, the diagnosis of presentations, and in the treatment of pregnant women preparatory to labor. The sections of the graduating class are assigned in rotation to attend labor cases in the hospital, and arrangements are perfected whereby members of the section are summoned without delay at any hour when labor occurs.

Students are thus afforded opportunities under the immediate supervision of the instructor to become familiar with the mechanism of labor in all its stages, and have frequent opportunities to witness the application of forceps, and the methods of treatment of the various complications of labor. Much attention is also paid to their instruction in the subsequent treatment of mother and child.

The out-door clinic is thoroughly organized, and after instruction in the hospital, students of the graduating class are allotted to attend labor cases at the homes of patients, under supervision of the Professor of Obstetrics, his Chief of Clinic, or either of the resident physicians of the Lying-in Hospital, whenever complications or difficulties arise.

During the past session an average number of *forty cases of labor* were seen by each student of the graduating class.

By this system of combined didactic, practical, and clinical methods of teaching, students of this University are afforded opportunities for instruction in this most important branch of medical science which are equaled by very few other schools and surpassed by none.

THE PRESBYTERIAN EAR, EYE AND THROAT CHARITY HOSPITAL.

This institution, which was founded in 1877, largely through the efforts of the late Dr. J. J. Chisolm, then Professor of Diseases of the Eye and Ear in the University of Maryland, is one of the largest special hospitals in the country.

During the year 1909, there were admitted to the Dispensary and Hospital 11,381 persons.

The Dispensary and wards of this hospital afford ample facilities for the study of diseases of the eye, ear, nose and throat.

Professor Woods and his Demonstrators are at the Hospital, Tuesdays, Thursdays, and Saturdays of each week and are prepared to demonstrate to students of the University the usual diseases of the eye and ear. Dr. Richard H. Johnston, of the Nose and Throat Department, at the University, is also a surgeon of the Presbyterian Hospital. The hospital is open at 2 p.m. each day.

HOSPITAL FOR THE RELIEF OF CRIPPLED AND DEFORMED CHILDREN.

This Orthopedic Hospital, with some fifty beds, is the only specially equipped institution of the kind south of Philadelphia, and has the most modern apparatus and appliances for treating deformity, whether mechanical or operative means or both are used in correction. Prof. R. Tunstall Taylor is Surgeon-in-Chief.

Under the direction of Prof. Taylor, sections of the graduating class will receive demonstrations at the bedside once a week in the diagnosis and treatment of deformity and also in the Dispensary.

The Dispensary for general orthopedic cases of this hospital is open on Tuesdays, Thursdays, and Saturdays from 1 to 3 p.m. At all of these students will be afforded ample opportunity for the study of such cases.

Professor Taylor gives a clinical and didactic lecture once a week at the University Hospital.

BAY VIEW HOSPITAL.

The clinical advantages of the University have been largely increased by the liberal decision of the Board of Supervisors of City Charities to allow the immense material of this hospital of 2000 beds to be used for the purpose of medical education. There are daily visits and clinics by the teachers of the University in medicine and surgery at that institution, and the dead-house furnishes a great abundance and variety of pathological material, which is used for demonstration. The Insane Department contains 250 beds.

CHEMICAL LABORATORY.

The Chemical Laboratory is under the supervision of the Professor of Analytical Chemistry, aided by the Demonstrators. Each student during his course has assigned him a table and is fully supplied with all necessary apparatus and chemicals, free of charge, except for breakage, which is charged at cost price.

Students of the first year's class will be required to devote six hours weekly to work in this department.

The course of instruction embraces: 1. Training in the proper care and use of apparatus and in the manipulative processes used in the laboratory. 2. The experimental study of the more important elements and compounds, and the repetition of experiments performed in the course of lectures. 3. Instruction in the elements of qualitative analysis.

LABORATORY OF PHYSIOLOGICAL CHEMISTRY.

The second-year class is given practical instruction in the chemistry of the sugars and proteids as well as a detailed course in the chemistry of the various secretions. The experiments performed by each student are adapted to illustrate not only the physiological but also the pathological conditions which may result in various diseases from perverted metabolism. The chemistry of the food stuffs and its practical bearing upon diet is especially dwelt upon. The course is essentially practical, only including so much theoretical physiology as is necessary for a proper knowledge of the subject. Graduates and advanced students competent to undertake such work, who desire to pursue special chemical investigation, will be given the opportunity under suitable regulations.

LABORATORY OF PRACTICAL AND EXPERIMENTAL PHYSIOLOGY.

This laboratory is fully equipped with the latest and most improved apparatus from the Harvard Scientific Apparatus Co., and Zimmermann of Leipzig.

Each student is trained to become familiar with the phenomena of life by objective and personal study.

An abundant supply of material is provided for experiment and demonstration.

The laboratory is also well adapted for post-graduate study and special research in Physiology, for which opportunity will be given under suitable regulations.

LABORATORY OF NORMAL HISTOLOGY AND EMBRYOLOGY.

Instruction in this department is given, for six hours weekly, and attendance is obligatory for all first-year students. The course of instruction embraces the method of using the microscope and its accessories; methods of hardening, cutting, staining and mounting the various tissues, together with frequent demonstrations of microscopical anatomy of the different organs and tissues of the body. The department is also well supplied with numerous mounted specimens for the instruction of students.

LABORATORY OF PATHOLOGICAL HISTOLOGY AND BACTERIOLOGY.

In addition to the opportunities which are afforded students for the study of gross pathology by the weekly lectures and demonstrations, and by attendance upon the autopsies at University and Bayview Hospitals, laboratory instruction is also given in Pathological Histology and Bacteriology, for which purposes the autopsies furnish an abundant supply of material.

Ten hours weekly are devoted to this instruction, which is obligatory on all second- and third-year students.

The course of instruction embraces the preparation and study of sections illustrating the common lesions of the various organs; the microscopic examination of urinary sediments; the various methods of isolating and identifying micro-organisms, and the method of staining important micro-organisms.

Graduates and advanced students qualified to profit by such work, desiring to undertake special lines of investigation in this department, will be afforded excellent opportunities for study.

CLINICAL LABORATORY.

The third-year class, divided into small sections, is given instructions in examination of blood, urine, sputum, feces, and stomach contents, under the direction of Dr. Lockard. The Laboratory is thoroughly equipped.

PRACTICAL ANATOMY.

The dissecting-room is in charge of the Demonstrator, who superintends and directs the classes in their dissection. The rooms are convenient, well warmed, ventilated and lighted. The Demonstrator and his assistants pass much of their time in assisting the students and in guiding their labors. Access may be had to the rooms daily, between the hours of 3 and 6 p.m.

Dissecting tickets must be countersigned by the Demonstrator as an evidence of satisfactory dissection.

Dissecting material is furnished in abundance, free of charge.

THE LIBRARY.

The Library, founded in 1813, now contains 10,500 volumes, and is open daily during the year for the use of the members of the Faculty, students and the profession generally. During the past year 680 volumes were added.

The more commodious quarters in the newly acquired Davidge Hall have promoted very much its growth and usefulness.

It is well stocked with recent literature, and one hundred and forty-nine journals are regularly received. The pamphlets number 7000.

DENTAL INFIRMARY.

The Dental Department of the University of Maryland is situated upon the University grounds, fronting on Greene Street, and adjoining the building of the School of Medicine.

Daily clinics are held in this department in the afternoon from 2 to 5 o'clock, which are open to students of the School of Medicine, and offer excellent opportunities to students intending to practice in the country to familiarize themselves with dental operations.

DEPARMENT OF PHARMACY.

By arrangements recently concluded between the two institutions, the Maryland College of Pharmacy, established in 1840, and widely and favorably known as one of the oldest and most prominent of the institutions of its kind in this country, has become the Department of Pharmacy of the University of Maryland, and now occupies buildings upon the University grounds.

The lectures and laboratories in this Department will afford to students of the School of Medicine who expect to practice in the country, opportunities of acquiring a knowledge of correct methods of dispensing medicines which will be of much value in their future practice.

Special courses of instructions in the laboratories of Pharmacy may be arranged for upon payment of a moderate fee.

ANNUAL APPOINTMENTS.

At the close of each session the following annual appointments are made from among the graduates of the school.

TO THE UNIVERSITY HOSPITAL.

Superintendent.
Five Resident Surgeons.
Four Resident Physicians.
Two Resident Gynecologists
One Resident Pathologist.
One Dispensary Physician and Fifteen Chiefs of Clinic.

TO THE MATERNITY HOSPITAL.

Three Resident Physicians.

A number of students are appointed each year, at the close of the session, as Clinical Assistants. The fee for such hospital residence is *one hundred and fifty dollars* per year, PAYABLE IN ADVANCE. This covers lodging, light and fuel.

Several appointments to other hospitals of Baltimore are made annually, to which graduates of the University of Maryland are eligible.

PRIZES.

FACULTY PRIZE—To stimulate study among the candidates for graduation, the Faculty offers a Gold Medal to the candidate who passes the best general examination. Certificates of Honor are awarded to the five candidates standing next highest.

REQUIREMENTS FOR MATRICULATION.

In accordance with the rules of the Association of American Medical Colleges, of which Association this Faculty is a member, the requirements for Matriculation for all students beginning the study of medicine will be as follows:

(A) A Bachelor's degree from an approved college or University; or,

(B) A Diploma from an accredited High School, Normal School or Academy, received after four years of study embracing not less than two years (4 points) of foreign language, of which one must be Latin, two years (4 points) of Mathematics, two years (4 points) of English, one year (2 points) of History, two years (4 points) of Laboratory Science, and six years (12 points) of further credit in Language, Literature, History or Science; or,

(C) An examination in the following branches, totaling 30 points:

(*a*) Required, 16 points. Points

Mathematics—2 years 4
Algebra and plane geometry.

English— 2 years 4
(*a*) English grammar.
(*b*) Rhetoric and composition.

Latin—2 years 4
(*a*) Latin grammar.
(*b*) Latin prose composition.
(*c*) Reading four books of Cæsar or equivalent.

Physics—1 year, with laboratory work 2

History—1 year 2

(*b*) Elective, 14 points.

English Language and Literature—2 years in addition to the required 4 points .. 4

Language—Latin, German, French, Spanish or Greek, 4 years, not less than one year in any one 2

History—3 years, including civics and political economy 6

Advanced Mathematics—Solid Geometry and Trigonometry, ½ year each 2

Natural Science—(1 year) Biology, 1 year, or Botany and Zoölogy, ½ year each 2

Physical Science—Chemistry or Physics, 1 year 2

Earth Science—Physical Geography and Geology, ½ year each 1

Physiology and Hygiene—½ year 1

Astronomy—½ year 1

Drawing—½ year 1

One point in any subject in a high school or academic course demands not less than five periods per week of forty-five minutes for eighteen weeks.

Two points equal 5 counts, or 1 unit, or 2 credits.

(D) Certificates of Principals of Accredited High Schools, Normal Schools, Academies; of Superintendents of Public Schools; or Reputable Instructors recognized by Superintendents of Public Instruction of District, City or State; or of any State Board of Medical Examiners, will be accepted in lieu of any part of, or all of the above examination.

A student may be allowed to enter on his medical work conditioned in not more than six points, and these conditions must be removed by satisfactory examination before he is allowed to enter on the second year of his medical course.

After January 1, 1912, conditioned matriculation will no longer be permitted, and applicants for admission after that date must be free of all conditions upon matriculation.

Applicants for matriculation desiring to avail themselves of the above provisions of exemption from matriculation examinations are advised, in order to save time, to bring with them a diploma, certificate or other evidence of their qualifications for exemption.

Examinations for Matriculation will be held by the Official Examiner, Dr. E. Deichmann, 714 North Howard Street, Baltimore, Md., at 9 a.m. upon the following Saturdays:

August 5th	September 2nd.	October 7th.
	September 23rd.	October 21st.

All inquiries relating to Matriculation Examinations and qualifications for exemption therefrom should be addressed to the Official Examiner, at the address given above.

The student is earnestly advised to qualify himself under his State law, and, where such certificates are issued, to receive the medical students' certificate from the State authorities before entering upon his medical studies. By adopting this course future difficulties may be avoided.

Graduates in Medicine desiring to take the Senior Course, without being candidates for the degree, and therefore without examination, may receive a certificate of attendance.

COMBINED COURSE IN ARTS AND MEDICINE.

St. John's College, Annapolis, Md., founded in 1696, is by contract of affiliation styled and recognized as the Department of Arts and Sciences of the University of Maryland.

Students who have completed the Junior Year in St. John's College and who have made an approved choice of electives may if they desire it do the entire work of the Senior Year in the Medical School of the University. If they successfully complete the work of the first medical year they are graduated with their class with the degree of A.B. from St. John's College.

By taking advantage of this privilege a man may complete the Undergraduate and Medical courses in seven years.

During three of these years or until he has completed the work of the Junior class he is a resident student in St. John's College and for four years he is a resident in the Medical School in Baltimore.

At the end of the fourth year he receives the A.B. degree, and at the end of the seven years the M.D. degree, but credit from the Medical School cannot be accepted in subjects for which credit has already been given in the College of Liberal Arts.

GRADUATES OF PHARMACY.

Graduates of recognized Colleges of Pharmacy will be given credit for the work which they have done in Chemistry and Materia Medica,

and will be excused from the lectures, laboratory work and recitations upon these subjects in the Freshman Year. The fee for the Freshman Year to Graduates of Pharmacy will be $100.

STATUTES.

1. Cards for completed courses will be issued by the Dean at the end of the session. Laboratory tickets and tickets for practical anatomy must be countersigned by the proper demonstrators and directors. Unless properly countersigned, a ticket will not be accepted as evidence of a completed course.

2. Every candidate must have passed examinations in the various branches of medicine taught in this school, or show satisfactory evidence of having done so in other schools, and also produce evidence of satisfactory work in practical anatomy and the various laboratories. Attendance upon all clinical lectures is obligatory.

3. Any student failing in more than one-half the yearly examinations shall be required to repeat the work of the year and shall not be allowed to advance with his class. Students deficient in less than one-half the year's work are permitted to make up their deficiency in the fall examinations. All students are required to stand the spring examinations unless excused by the Dean. No student will be permitted to enter the third-year class who has not completed all first-year work, and no student will be permitted to enter the fourth-year class who has not completed all second-year work.

A student required to repeat the work of the first, second or third year will be permitted to do so upon payment of the matriculation fee only.

4. The graduation fee, which is $30, must be deposited with the treasurer before the candidate can be admitted to final examination. This fee is returned in case the examination is unsuccessful.

5. Examinations for the degree of Doctor of Medicine are conducted by the several professors.

A student failing in final examination for graduation at the end of the fourth year will be charged the regular fees for tuition, etc., and will be required to repeat the entire course of the fourth year should he again enter the school as a candidate for graduation.

6. The judgment of the Faculty upon the fitness of a candidate is based upon the knowledge of his general attendance and industry, character and habits, as well as upon the results of his final examination.

ANNUAL LIMITATION OF RULES AND FEES.

All the above rules, as well as the fees stated below, relate to the year ending June 1, 1911, only. The right is reserved to make

changes in the curriculum, requirements for graduation, fees, and all the regulations whenever the Faculty deem it expedient.

FEES.

Matriculation fee (paid each year)	$5.00
Tuition fee (each year)	150.00
Graduation fee	30.00

There are no extra charges for instruction in any department, or for laboratory courses, except for breakage, and in special cases for materials consumed.

Tuition fees are due and payable during October, and if the entire amount is paid at the Dean's office before November 1, the tuition fee for that year will be $145.

The above fees apply to all students who matriculate in this institution for the first time, in any class, for the session beginning October 1, 1911.

Students who have already attended one or more full courses of instruction in this institution will be entitled to complete the course in medicine at the current rates in force at the time of their first full course of lectures in this institution.

Fees for individual courses, $25 each.

SCHOLARSHIPS.

The Dr. Samuel Leon Frank Scholarship.

This scholarship, established by Mrs. Bertha Rayner Frank as a memorial of the late Dr. Samuel Leon Frank, an alumnus of this University, entitles the holder to exemption from the payment of the tuition fee of that year.

It is awarded by the Trustees of the Endowment Fund of the University in each year upon nomination of the Faculty of Physic, "to a medical student of the University of Maryland, who in the judgment of said Faculty, is of good character, and in need of pecuniary assistance to continue his medical course."

This scholarship is awarded to a second, third or fourth year student only, who has successfully completed one year's work in the medical course, and no man may hold such scholarship for more than two years.

The Charles M. Hitchcock Scholarships.

From a bequest to the School of Medicine by the late Charles M. Hitchcock, M.D., an alumnus of the University, two scholarships have been established which entitle the holders to exemption from payment of tuition fees for the year.

These scholarships are awarded annually by the Faculty of Physic to students who have meritoriously completed the work of at least the first year of the course in medicine, and who present to the Faculty satisfactory evidence of good moral character, and of inability to continue the course without pecuniary assistance.

The Randolph Winslow Scholarship.

This scholarship, established by Prof. Randolph Winslow, M.D., LL.D., entitles the holder to exemption from the payment of the tuition fee of that year.

It is awarded annually by the Trustees of the Endowment Fund of the University, upon nomination of the Faculty of Physic, to "a needy student of the Senior, Junior or Sophomore Classes of the Medical School.

"He must have maintained an average grade of 85% in all his work up to the time of awarding the scholarship.

"He must be a person of good character and must satisfy the Faculty of Physic that he is worthy of and in need of assistance."

NOTICE TO STUDENTS

The personal expenses of students are at least as low in Baltimore as in any large city in the United States. The following estimates of students' personal expenses for the academic year of eight months have been prepared by students, and are based upon actual experience:

Items.	Low.	Average.	Liberal.
Books	$ 18	$ 32	$ 50
College Incidentals	....	5	10
Board, eight months	96	112	128
Room rent	48	65	80
Clothing and washing	35	50	100
All other expenses	10	20	75
Total	$207	$ 284	$ 443

Students will save time and expense upon their arrival in the city by going direct to the School of Medicine on the University grounds, N. E. corner of Lombard and Greene Streets, where the Superintendent of buildings, who may be found at his office on the premises, will furnish them with a list of comfortable and convenient boarding houses suitable to their means and wishes.

The Dean will, if desired, attend to the collection of checks and drafts of students.

For further information, apply to

R. Dorsey Coale, Ph.D., *Dean of the Faculty,*
University of Maryland, Baltimore, Md.

MATRICULATES FOR 1910–1911.

POST-GRADUATES AND SPECIAL STUDENTS.

THOMAS G. BASNIGHT, M.D.....*North Carolina*
JOHN L. BROWN, M.D.....*Georgia*
GEORGE CONSTANTINE.....*Ecuador*
R. W. GARNETT, M.D.....*Virginia*
MANUEL GARRIDO.....*Porto Rico*
GROVER BACHE GILL.....*Virginia*
MORRIS GLUCKS.....*Alabama*
HARRISON BENJAMIN KERN.....*Pennsylvania*
CHARLES EDGAR KNELL.....*Maryland*
JOHN DANIEL SMYSER.....*New Jersey*
CHAS. COWAN TAGGART, M.D.....*South Carolina*
HENRY H. WEINBERGER, M.D.....*New York*

FOURTH YEAR CLASS.

NAME	STATE	PRECEPTOR
ALTVATER, EDWARD G	*Maryland*	Balto. Polytec. Inst.
ASPER, BURT JACOB	*Pennsylvania*	Drs. Asper and Wright.
ATHEY, HENRY BENEDICT	*Maryland*	Dr. C. N. Athey.
AVILES, ANGEL VIRGILIO	*Ecuador*	Centra Univ. of Quito.
BACON, WALTER COMPTON	*Maryland*	Geo. Washington Univ.
BAREFOOT, MORDECAI LEE, M.D.	*North Carolina*	Dr. H. A. Royster.
BEALL, LOUIS G., M.D.	*North Carolina*	N. C. Med. College.
BERNGARTT, BERNARD M.	*Maryland*	
BLAIR, FREDERICK L.	*Rhode Island*	Coll. Phys. and Surgs.
BOYER, BUEHLER SHOUP	*Maryland*	
BROWN, ARCHIE EUGENE	*South Carolina*	Dr. Sheldon.
BULLUCK, ERNEST SOUTHERLAND	*North Carolina*	Univ. of Va.
BYERLY, WILLIAM L., A.B.	*Maryland*	Dr. P. W. Byerly.
CASSIDY, SAMUEL H.	*Tennessee*	Dr. H. H. Weinberger.
CAUGHMAN, BELTON DRAFTS, B.S.	*South Carolina*	Univ. of Va.
CAUSEY, HENRY DICKINSON	*Delaware*	Dr. Chas. F. Davidson.
CODINGTON, HERBERT AUGUSTUS, Ph.C.	*Georgia*	Mercer Univ.
CORSON, LINNEUS H.	*New Jersey*	Dr. C. M. Gray.
DIEHL, JAMES ERWIN	*Pennsylvania*	Dr. Jos. F. Diehl.
DEIXEL, W. C.	*Pennsylvania*	
DODSON, RICHARD C.	*Maryland*	Dr. C. V. Mace.
DOUGLASS, LOUIS HARRIMAN	*Maryland*	Baltimore City College.
DOVELL, EARLY BEAUREGARD	*Virginia*	Univ. Coll. of Med.
DRIES, CHARLES LUTHER	*Pennsylvania*	Jefferson Med. College.
DURKIN, WILLIAM J.	*New York*	
EDELEN, JAMES JOSEPH	*Maryland*	Rock Hill College.
EDLIN, JAMES S.	*New York*	Dr. Emmanuel Baruch.
EDWARDS, JOS. BENJAMIN	*South Carolina*	
EISENSTEIN, HERMAN	*New York*	
FISHER, OTTO	*Virginia*	Dr. H. Hopewell.
GLENNAN, KENNETH RAYNER	*Maryland*	Geo. Washington Univ.
GRACEY, CHARLES SUMNER, A.M.	*Pennsylvania*	Jefferson Med. College.
GREENGRASS, JACOB JESSE	*New Jersey*	
HIRSCHMAN, ISIDORE ISAAC	*Maryland*	Collegiate Prep. School.
HORNSTEIN, ABRAHAM LEWIS	*Maryland*	Baltimore City College.
HOWARD, GROVER LATHAM	*Virginia*	Univ. of Va.
HOWELL, JOHN THOMAS, Ph.G.	*North Carolina*	Univ. of N. C.
HUSSEY, RAYMOND GARRISON	*North Carolina*	Dr. J. S. Woodward.
IGARTUA, JOSE E.	*Porto Rico*	Collegiate Prep. School.
JONES. KENNETH B.	*Maryland*	
JOSLIN, CHARLES LORING	*Maryland*	Wilmington Con. Acad.
KAHN, M. RANDOLPH	*Maryland*	Collegiate Prep. School.

Name	State	Preceptor
Keesor, Charles Hutchinson	*West Virginia*	New Concord High School.
Kernodle, Charles Edward	*North Carolina*	Dr. J. L. Kernodle.
Langlois, Charles Joseph	*Massachusetts*	Dr. J. A. Langlois.
Law, Charles R., Jr	*Maryland*	
Lee, Samuel E	*Maryland*	Dr. F. E. Rathbun.
Levinson, Frank	*Maryland*	Dr. J. H. Mitnick.
Linn, Willis	*New York*	Dr. F. H. Willis.
McCain, Paul Pressly, A.B	*South Carolina*	Dr. J. W. Wideman.
McDaniel, Lawrence E., B.S	*South Carolina*	Dr. H. E. McDaniel.
McLean, Frank	*Maryland*	Dr. Isaac N. King.
Macks, Isaac M	*Maryland*	Baltimore City College.
Mallen, Manuel Eulalio	*San Domingo*	Dr. Rafael Janer.
Marett, William Clinton	*South Carolina*	Dr. W. J. Carter.
Massenburg, George Y., Phar. D	*Maryland*	Dr. R. C. Massenburg.
Missildine, John G	*Kansas*	
Moulton, Allen T	*Massachusetts*	Dr. Frank Washburn.
Mulstein, Adolph	*New York*	
Niblett, Walter Saulsbury	*Delaware*	Dr. V. O. James.
Nichols, Elijah E	*Delaware*	
Norton, John Charles	*Maryland*	Dr. Martin A. O'Neill.
Oler, Vernon Llewellyn	*Maryland*	Dr. E. Millard Reid.
Ostro, John	*Delaware*	Dr. M. Ostro.
Quigley, James Earle	*Pennsylvania*	Dr. J. Clinton Atwell.
Ramirez, Themistocles, S.B	*Porto Rico*	
Roach, James Edward	*Maryland*	Dr. L. H. Gundry.
Rynkiewicz, Stanley H	*Pennsylvania*	
Schaeffer, Harry Bagenstose	*Pennsylvania*	Jefferson Med. College.
Schmidt, Charles Louis	*Maryland*	Baltimore City College.
Speas, Dallas C	*North Carolina*	Univ. of N. C.
Stinson, Louis	*Mississippi*	Dr. W. B. Dicks.
Stomel, Joseph	*Pennsylvania*	
Tankin, Harry J	*New York*	
Taylor, Emmett O'Brien	*South Carolina*	Med. Coll. of S. C.
Taylor, Ralph Leland, A.B	*Georgia*	Univ. of Ga.
Thomas, Claude A., Ph.G	*Oklahoma*	Dr. W. N. Thomas.
Thomas, Joseph Enloe	*South Carolina*	
Townshend, Grafton Dent	*Maryland*	Randolph-Macon Acad.
Vreeland, Ralph James	*New Jersey*	
Walker, Louis Kyle	*North Carolina*	Univ. of N. C.
Wallace, Charles S., M.D	*Oklahoma*	Dr. S. F. Scott.
Wallenstein, Sydney	*New York*	
Waters, Charles A	*Maryland*	Dr. T. J. Talbott.
Webster, Albert G	*Maryland*	Dr. T. B. Marden.
West, Earl Clifton	*Delaware*	
Whims, Thomas Gay	*North Carolina*	Dr. R. P. Morehead.
Wilkins, Java Cleveland, Ph. B	*North Carolina*	Univ. of N. C.
Williams, Richard Lloyd	*Pennsylvania*	Jefferson Med. College.

THIRD YEAR CLASS.

Abell, Robert E	*South Carolina*	Davidson College.
Allgood, Reese Alexander	*South Carolina*	Dr. J. L. Valley.
Allison, Robert Glenn	*South Carolina*	Dr. J. S. Barron.
Anstine, Hammond N	*Maryland*	Dr. J. W. Heaps.
Battle, George Cullen	*North Carolina*	Univ. of N. C.
Beard, Grover C	*North Carolina*	Univ. of N. C.
Bishop, Harry A	*Dist. of Columbia*	Baltimore Med. College.
Bonner, Robert A	*Maryland*	Collegiate Prep. School.
Buchanan, Sidney E	*North Carolina*	Univ. of N. C.
Cannon, William Franklin, Jr	*North Carolina*	Univ. of N. C.
Chipman, W. Thomas	*Delaware*	Dr. W. H. Chipman.

Name	State	Preceptor.
Clautice, Charles P.	*Maryland*	
Claytor, W. Rivers	*South Carolina*	Dr. H. Claytor.
Cochran, James D.	*North Carolina*	
Connors, Thomas Joseph	*Connecticut*	Dr. C. W. Fuller.
Darby, John Dade	*Maryland*	Md. Agric. College.
Dean, Russell, H., Jr.	*Florida*	Dr. R. H. Dean.
Deibel, Harry	*Maryland*	Dr. Harry Gross.
Disbrow, George Ward	*New Jersey*	
Di Stefano, Dominick	*Maryland*	Dr. E. G. Welch.
Donovan, John Bernard	*Maine*	Dr. J. A. Donovan.
Duggan, James Archie	*Georgia*	
Fajardo, Idalberto	*Cuba*	Dr. J. M. Infante.
Frey, Ernest William	*Maryland*	
Friedheim, Samuel, Jr.	*South Carolina*	Med. College of S. C.
Gallion, William E., Jr.	*Maryland*	Dr. Curran.
George, Dawson Orme	*Maryland*	Dr. Enoch George.
Goldstein, Abraham	*New York*	
Grace, Benjamin L.	*Maryland*	Collegiate Prep. School.
Haines, William Granville	*Maryland*	Baltimore City College.
Hair, Judson Elam, Jr.	*South Carolina*	
Hand, Jesse Donald	*New York*	
Hennessey, Edward H. J.	*Connecticut*	Dr. Wm. H. Conklin.
Hinnant, Milford	*North Carolina*	Univ. of N. C.
Hubbard, James Edward	*Maryland*	St. John's College.
Irwin, Henderson, B.S.	*North Carolina*	Univ. of Va.
Johnson, Edward Sooy	*Maryland*	Dr. J. A. Riley.
Johnston, John Kent	*Florida*	
Judd, Clarence W.	*Pennsylvania*	Dr. A. P. Gray
Kish, Paul	*New Jersey*	Dr. McChesney.
Kolb, Edwin P.	*Maryland*	New Windsor College.
Lawler, Daniel H.	*Connecticut*	Dr. J. A. Coogan.
Lebret, Gerard Henry	*New Jersey*	Dr. A. E. Wrensch, Jr.
Lenzner, Simon Geilech	*New York*	
Lichtenberg, Moses Louis	*Maryland*	Baltimore City College.
Lillich, Bertrand Alley, Phar.D.	*Pennsylvania*	
Livingston, Everett A.	*North Carolina*	
Llamas, Enrique	*Colombia, S. A.*	
Long, Miles T.	*North Carolina*	
Looper, Edward Anderson	*Georgia*	Dr. W. S. Elkin.
McGoogan, Benjamin J.	*North Carolina*	Univ. of N. C.
Martin, Andres G.	*Cuba*	Collegiate Prep. School.
Meeks, Charles G.	*Maryland*	
Michel, William	*Maryland*	Baltimore City College.
Miller, J. Robert	*South Carolina*	Dr. D. J. Brinner.
Murray, James Henry, Jr.	*Maryland*	Dr. Cawood.
Newhouse, Benjamin	*Maryland*	
O'Donnell, Hugh James	*Pennsylvania*	
Parlett, Roger V.	*Maryland*	St. John's College.
Patrick, R. Bruce, A.B.	*South Carolina*	Erskine College.
Pearlstein, Phillip	*Texas*	
Phillips, John Cleveland	*Georgia*	
Rauschenbach, Charles William, Phar. D.	*Maryland*	Md. Coll. of Phar.
Rich, Herman Harry	*New Jersey*	Dr. W. Winters.
Roose, Samuel A.	*Pennsylvania*	
Rottenberg, Joseph	*Maryland*	Baltimore City College.
Scott, Wilbur Moate	*Georgia*	Dr. W. S. Elkin.
Sharp, Jay D., B.S.	*Indiana*	Valparaiso College.
Sherrill, Everett Alanson, B.S.	*North Carolina*	
Silberman, David	*Maryland*	Baltimore City College.
Skladowsky, John A.	*Maryland*	Baltimore City College.

Name	State	Preceptor
Smith, D. Antononovic	*New Zealand*	
Spoore, Compton	*New York*	
Stansbury, John C	*Maryland*	Baltimore City College.
Stem, Grover A	*Maryland*	Dr. Edwin D. Cronk.
Stevens, Thomas F. A., Phar. D	*Maryland*	Md. Coll. of Phar.
Stilley, Jesse Cunningham	*Pennsylvania*	Dr. W. J. Bryson.
Straessley, Edward Charles	*Pennsylvania*	Dr. F. X. Straessley.
Traband, John Henry, Jr	*Maryland*	Baltimore City College.
Vega, Luis G., A.B	*Cuba*	Instituto de Oriente.
Vinciguerra, Michael	*New Jersey*	Dr. A. Bianchi.
Webb, Harold Hamer	*Virginia*	
Webster, John Edgar	*Maryland*	
Wells, Grady Brice	*South Carolina*	Dr. H. R. Wells.
Whitaker, Edwin Vignes	*Louisiana*	Univ. of Louisville.
Wiener, Hyman R	*Pennsylvania*	Dr. J. E. Gichner.
Windham, Roy A	*Michigan*	
Yeager, W. Howard	*Pennsylvania*	Dr. J. H. Vastine.
Zimmerman, Henry	*Massachusetts*	Hartford High School.

SECOND YEAR CLASS.

Bean, Philip Jenifer	*Maryland*	Baltimore City College.
Boylan, Lawrence B	*New Jersey*	
Breeding, Earle Griffith, A.B	*Maryland*	Washington College.
Brinson, John Bradford, Jr	*Florida*	Dr. Taliaferro.
Buch, J. M., A.B	*Cuba*	Instituto de Oriente.
Butler, Humphrey	*Maryland*	Dr. Geo. Butler.
Callahan, Frank F	*Maryland*	Collegiate Prep. School.
Casler, Frank G	*West Virginia*	West Va. Univ.
Cavanaugh, Leo M	*Maryland*	Dr. A. Leo Franklin.
Council, Wilford A. Hall	*Maryland*	Collegiate Prep. School.
Craven, Franklin Clyde	*North Carolina*	
Detrick, Frederick Louis	*Virginia*	Dr. Wm. Dabney.
Devine, Frederick Raymond	*Rhode Island*	Dr. Edw. Gill.
Ebert, John William	*Virginia*	Dr. S. P. Latane.
Edwards, Charles Reid	*Maryland*	Frederick City High School.
Edwards, Vertie Edward	*North Carolina*	Dr. C. N. Keeler.
Gannon, Charles Henry	*Rhode Island*	
Gavlas, Frank E	*Pennsylvania*	
Goldsmith, Harry	*Maryland*	Baltimore City College.
Gould, Nathaniel	*Virginia*	Norfolk High School.
Grant, Harry Clifford	*North Carolina*	
Hays, Leonard	*Maryland*	Dr. E. O. White.
Hayworth, Claudius Abijah	*North Carolina*	N. C. Med. College.
Holmes, Everett J	*Maine*	
Holstein, Aaron Louis	*New Jersey*	
Hundley, Frank G	*Maryland*	Dr. E. G. Comegys.
Lecates, Howard E	*Maryland*	Laurel High School.
Levin, Herman Harry	*Connecticut*	Tufts College.
Lynch, George Boyce	*North Carolina*	
Magruder, Charles L	*Maryland*	Dr. B. O. Thomas.
Murphy, Franklin Dashiell	*Maryland*	
Nance, Fuller, Ph.G	*Maryland*	
Neal, Horace M	*North Carolina*	Dr. J. W. Neal.
Neistadt, Simon	*Maryland*	Baltimore City College.
Newcomer, Elmer	*Maryland*	
Nitsche, Norbert Charles, A.B	*Maryland*	Mt. St. Joseph's College.
Norment, Richard Baxter, Jr	*Maryland*	Baltimore City College.
Ostendorf, Walter A	*Maryland*	
Perez Hernan Marino, Lit. B	*Cuba*	Instituto de Oriente.
Pratt, T. Ruffin	*North Carolina*	Dr. Thos. Taylor.

Name	State	Preceptor
Raysor, Harry C.	*South Carolina*	Wofford College.
Reynolds, James Edward	*New Hampshire*	
Scruggs, Wm. Henry, Jr.	*Georgia*	Mercer Univ.
Shriner, Francis Earle	*Maryland*	
Shuler, G. Clyde	*Virginia*	
Sirak, William W.	*Pennsylvania*	
Slusher, Hamilton J.	*Virginia*	
Sparck, Joseph	*Maryland*	Milton Academy.
Stoneham, H. G.	*Virginia*	
Toulson, W. Houston, A.B.	*Maryland*	Washington College.
Travers, Edgar Eugene	*Maryland*	Va. Mil. Inst.
Troxler, Moody R.	*North Carolina*	
Warner, Theodore B.	*Maryland*	
Whitten, B. Otis	*South Carolina*	Dr. W. J. Carter.
Wrightson, William O.	*South Carolina*	
Young, Charles Henry, D.D.S.	*Sou h Carolina*	
Young, Mason Pressly, B.S.	*South Carolina*	Erskine College.

FIRST YEAR CLASS.

Ash, Robert H., Jr.	*New York*	Dr. R. H. Ash.
Avakian, Vosgan A., B. A.	*Turkey*	Euphrates College.
Ayres, Charles C.	*Maryland*	Jarrettsville High School.
Balart-Cros, Antonio	*Cuba*	Charlotte Hall Academy.
Barber, Yates Middleton	*Virginia*	William and Mary College.
Barnard, James G.	*Maryland*	Dr. O. H. Bruce.
Barr, Walter Stuart	*South Carolina*	Davidson College.
Block, David.	*Maryland*	Collegiate Prep. School.
Bogart, Clark S.	*Pennsylvania*	Bradford High School.
Bradley Theron Robert.	*New York*	Dr. A. D. Wadsworth
Bridges, Harvey C.	*North Carolina*	Dr. A. S. Bridges.
Brogden, James Chester, A.B.	*South Carolina*	Wofford College.
Brotman, Meyer.	*New Jersey*	Newark High School.
Burchinal, Arthur P.	*Pennsylvania*	Dr. C. C. Sheely.
Byers, Horace Wellington.	*North Carolina*	Hampden-Sidney College.
Clark, Haynsworth. D.	*Florida*	Alachua High School.
Clark, Hugh E.	*Virginia*	Winchester High School.
Clinton, Roland Smith.	*North Carolina*	Dr. H. M. Eddleman.
Coleman, Alexander Stuart.	*Georgia*	Dr. Albert Jefferson.
Collinson, Joseph Franklin.	*Maryland*	Baltimore City College.
Cook, Le Compte.	*Maryland*	St. John's College.
Crist, George Bruce.	*Maryland*	Frederick High School.
Davis. Theodore McCann.	*South Carolina*	Dr. R. E. Houston.
Denny, Walter L., Jr.	*Maryland*	Dr. Harry Gross.
Dobson, James Furman.	*South Carolina*	Furman University.
Dovell, Chauncey Elmo.	*Virginia*	Prof. E. R. Rogers.
Echeverria, Jose R.	*Florida*	Tampa High School.
Eisenburg, Isidore.	*Maryland*	Dr. M. Myerson.
Esslinger, Richard I., Phar. D.	*Maryland*	Baltimore City College.
Fenby, John Smith.	*Maryland*	Baltimore City College.
Foxwell, Raymond Kennedy.	*Maryland*	Charlotte Hall Academy.
Fuentes, Manuel Riera, A.B.	*Cuba*	Instituto de Oriente.
Gonzalez, Luis.	*Porto Rico*	Dr. S. B. Jones.
Guistwhite, Bruce H.	*Pennsylvania*	Lykens High School.
Habliston, Charles Carroll, Phar. D.	*Maryland*	Baltimore City College.
Hassell, Cecil S.	*North Carolina*	Dr. S. Hassell.
Hays, Mathew Ewing.	*West Virginia*	Dr. C. N. Wiant.
Hicks, Claud B., A.B.	*North Carolina*	Trinity College.
Hoke, Clarence C., A.B.	*Maryland*	Mt. St. Mary's College.
Horger, Eugene Leroy, A.B.	*South Carolina*	Wofford College.
Johnson, Raymond Lovejoy, Ph.G.	*Florida*	Dr. A. B. Beall.
Jones, Milton De Ralph.	*Maryland*	Baltimore City College.

Name	State	Preceptor
Katzenberger, James Wesley, A.B.	*Maryland*	Mt. St. Joseph's College.
Kean, Thomas Andrew, Jr.	*Maryland*	LaSalle Institute.
Koether, Emil J. H.	*Maryland*	Collegiate Prep. School.
Levin, Morris Benjamin	*Maryland*	Baltimore City College.
Limbaugh, Louie M.	*Florida*	Duval High School.
Lipnick, Alexander	*Maryland*	Baltimore City College.
Lutz, John Francis, A.B.	*Maryland*	St. John's College.
Markell, Solomon Charles	*Maryland*	Baltimore City College.
Meech, Samuel Wilson	*Maryland*	Collegiate Prep. School.
Metcalfe, Challice Hagdon	*Virginia*	Washington College.
Mitchener, James Samuel. B.S.	*North Carolina*	Davidson College.
Morales, Jose, Ph.G., A.B.	*Florida*	Univ. of Habana.
Mordecai, Alfred	*North Carolina*	Dr. C. J. Parker.
Morton, Richard Woods	*North Carolina*	Dr. W. F. Long.
Ostro, Marcus	*Delaware*	Collegiate Prep. School.
Parlett, William Alvino	*Maryland*	Dr. John T. Avery.
Perkins, Edwin H.	*Maryland*	Collegiate Prep. School.
Portuondo, Albert Leocadis	*Cuba*	Villanova College.
Poushkin, Benjamin	*Maryland*	Witebsk Gymnasium.
Pujadas, Manuel	*Porto Rico*	Univ. of Porto Rico.
Reed, Joseph Carrington	*Maryland*	Collegiate Prep. School.
Rice, George W.	*Maryland*	Cumberland High School.
Rice, William Frederick	*Maryland*	Collegiate Prep. School.
Richards, Walter L.	*Maryland*	Collegiate Prep. School.
Schapiro, Abraham	*Maryland*	Baltimore City College.
Schmuck, Harry	*Maryland*	Baltimore City College.
Shalowitz, Hyman	*Maryland*	Collegiate Prep. School.
Smith, M. Duke	*Maryland*	Denton High School.
Stahl, William Martin	*Connecticut*	Collegiate Prep. School.
Stein, Harry	*Maryland*	Baltimore City College.
Stephens, Charles M.	*Pennsylvania*	Delta High School.
Stewart, Emmet J.	*Maryland*	Baltimore City College.
Timanus, George Loutrell	*Maryland*	Baltimore City College.
Tolleson, Clarence	*South Carolina*	Wofford College.
Vaccaro, Leopold Saverio	*Maryland*	Clark University.
Van Poole, Carl	*North Carolina*	Mt. Pleasant Coll. Inst.
Vinson, Porter Paisley, B.S., A.M.	*North Carolina*	Davidson College.
Walsh, William S.	*Rhode Island*	LaSalle Academy.
Warner, Howard Hoge	*Maryland*	Friends School.
Weaver, Sylvanus Robert	*Maryland*	
Whiteside, W. Carl	*South Carolina*	Hickory Grove High School.
Whittington, William Eugene	*North Carolina*	Baltimore Med. College.
Williams, David T.	*Virginia*	Collegiate Prep. School.
Williams, John L.	*South Carolina*	Dr. E. Deichmann.
Wilson, Frank Minium	*Maryland*	Dr. J. Jones Wilson.
Wilson, Frank W.	*North Carolina*	Dr. C. O. Laughinghouse.
Wolfe, Humphrey A. G.	*Maryland*	Milton Academy.

GENERAL SUMMARY OF STUDENTS ATTENDING THE UNIVERSITY OF MARYLAND, SESSION OF 1910-1911;

Department of Arts and Sciences (St. John's College)	225
School of Medicine	336
Department of Law	177
Dental Department	203
Department of Pharmacy	100
Training School for Nurses	76
Total	1177

GRADUATES JUNE 1, 1911.

Edward Garrett Altvater.....*Maryland.*
Burt Jacob Asper.....*Pennsylvania.*
Henry Benedict Athey.....*Maryland.*
Walter Comptom Bacon.....*Maryland.*
Mordecai Lee Barefoot....*North Carolina.*
Frederick Lewis Blair.....*Rhode Island.*
Buehler Shoup Boyer.....*Maryland.*
Archie Eugene Brown.....*South Carolina.*
Ernest S. Bullack.....*North Carolina.*
William Luther Byerly.....*Maryland.*
Samuel Hopkins Cassidy.....*Tennessee.*
Belton Drafts Caughman....*South Carolina.*
Henry Dickinson Causey.....*Delaware.*
Herbert Augustus Codington....*Georgia.*
James Erwin Diehl.....*Pennsylvania.*
Richard C. Dodson.....*Maryland.*
Louis Harriman Douglass.....*Maryland.*
Charles L. Dries.....*Pennsylvania.*
William Joseph Durkin.....*New York.*
James Joseph Edelen.....*Maryland.*
Joseph Benjamin Edwards.....*S. Carolina.*
Otto Fisher.....*Virginia.*
Jacob Jesse Greengrass.....*New Jersey.*
Isidore Isaac Hirschman.....*Maryland.*
Abraham Lewis Hornstein.....*Maryland.*
Grover Latham Howard.....*Virginia.*
John Thomas Howell.....*North Carolina.*
Raymond Garrison Hussey..*North Carolina.*
Jose E. Igartua de Jesus.....*Porto Rico.*
Kenneth B. Jones.....*Maryland.*
Charles Hutchison Keesor....*W. Virginia.*
Charles Edward Kernodle....*N. Carolina.*
Charles R. Law, Jr.....*Maryland.*
Samuel Engle Lee.....*Maryland.*
Frank Levinson.....*Maryland.*
Willis Linn.....*New York.*
Paul Pressly McCain.....*South Carolina.*
Lawrence E. McDaniel.....*South Carolina.*
Isaac Michel Macks.....*Maryland.*
Manuel Eulalio Mallen....*Santo Domingo.*
William Clinton Marett.....*South Carolina.*
George Yellott Massenburg.....*Maryland.*
John Guirley Missildine.....*Pennsylvania.*
Allen T. Moulton.....*Massachusetts.*
Adolph Mulstein.....*New York.*
Walter Saulsbury Niblett.....*Delaware.*
Elijah Emera Nichols.....*Delaware.*
Vernon Llewellyn Oler.....*Maryland.*
John Ostro.....*Delaware.*
James Earle Quigley.....*Pennsylvania.*
Themistocles Julian Ramirez....*Porto Rico.*
Stanley H. Rnykiewicz.....*Pennsylvania.*
Harry Bagenstose Schaeffer..*Pennsylvania.*
Charles Louis Schmidt.....*Maryland.*
Dallas C. Speas.....*North Carolina.*
Louis Stinson .....*Mississippi.*
Joseph Stomel.....*Pennsylvania.*
Emmett O'Brien Taylor ...*South Carolina.*
Ralph Leland Taylor.....*Georgia.*
Joseph Enloe Thomas.....*South Carolina.*
Grafton Dent Townshend.....*Maryland.*
Ralph J. Vreeland.....*New Jersey.*
Louis Kyle Walker.....*North Carolina.*
Charles Stuart Wallace.....*Oklahoma.*
Sydney Wallenstein.....*New York.*
Charles Alexander Waters.....*Maryland*
Albert G. Webster.....*Maryland.*
Thomas Gay Whims.....*West Virginia.*
Java Cleveland Wilkins....*North Carolina.*
Richard Lloyd Williams.....*Pennsylvania.*

PRIZEMEN.

University Prize—*Gold Medal*.....Burt Jacob Asper

Certificates of Honor.

Charles Louis Schmidt,
Joseph Benjamin Edwards,
Themistocles Julian Ramirez,
Jose E. Igartua,
Thomas Gay Whims,
Isaac Michel Macks,
Charles Hutchison Keesor.

UNIVERSITY HOSPITAL.

WM. J. COLEMAN, M.D.
Medical Superintendent.

JOSEPH W. HOOPER, M.D.
FRED W. RANKIN, M.D.
WM. A. GRACIE, M.D.
N. B. STEWARD, M.D.
C. N. DEVILBISS, M.D.
A. C. MCCALL, M.D.
Assistant Resident Surgeons.

J. M. BLODGETT, M.D.
G. C. COULBOURN, M.D.
R. C. DODSON, M.D.
Assistant Resident Physicians.

H. B. GANTT, M.D.
F. R. WINSLOW, M.D.
Assistant Resident Gynecologists.

L. K. WALKER, M.D.
Resident Pathologist.

FACULTY HOSPITAL STAFF.

Attending Physicians.

PROF. C. W. MITCHELL, M.D.°
PROF. J. C. HEMMETER, M.D.
PROF. J. E. GICHNER, M.D.°
PROF. HARRY ADLER, M.D.
PROF. J. M. CRAIGHILL, M.D.
PROF. C. W. MCELFRESH, M.D.
PROF. GORDON WILSON, M.D.
PROF. I. J. SPEAR, M.D.

Attending Surgeons.

PROF. R. WINSLOW, M.D.
PROF. T. A. ASHBY, M.D.
PROF. J. HOLMES SMITH, M.D.
PROF. J. M. HUNDLEY, M.D.
PROF. HIRAM WOODS, M.D.
PROF. FRANK MARTIN, M.D.
PROF. ST. CLAIR SPRUILL, M.D.
PROF. JOHN R. WINSLOW, M.D.

CLINICAL ASSISTANTS FOR 1911-1912.

R. E. ABELL, South Carolina.
R. A. ALLGOOD, South Carolina.
R. G. ALLISON, South Carolina.
G. C. BATTLE, North Carolina.
H. A. BISHOP, District of Columbia.
R. A. BONNER, JR., Maryland.
S. E. BUCHANAN, North Carolina.
W. T. CHIPMAN, Delaware.
W. R. CLAYTOR, South Carolina.
J. D. DARBY, Maryland.
R. H. DEAN, JR., Florida.
H. DEIBEL, Maryland.
J. A. DUGGAN, Georgia.
I. FAJARDO, Cuba.
W. E. GALLION, JR., Maryland.
D. O. GEORGE, Maryland.
J. E. HAIR, JR., South Carolina.
H. IRWIN, North Carolina.
E. S. JOHNSON, Maryland.
J. K. JOHNSTON, Florida.
G. H. LEBRET, New Jersey.
M. L. LICHTENBERG, Maryland.
A. G. MARTIN, Cuba.
W. MICHEL, Maryland.
BENJ. NEWHOUSE, Maryland.
R. B. PATRICK, South Carolina.
C. W. RAUSCHENBACH, Maryland.
W. M. SCOTT, Georgia.
J. D. SHARP, Indiana.
D. SILBERMAN, Maryland.
G. A. STEM, Maryland.
J. H. TRABAND, Maryland.
L. G. VEGA, Cuba.
M. VINCIGUERRA, New Jersey.
H. R. WIENER, Pennsylvania.

The total number of patients treated in the Hospital during the year 1910-1911 was 5028.

THE UNIVERSITY TRAINING SCHOOL FOR NURSES.

Under the guidance of the Superintendent, the pupils of this School are instructed in all that pertains to Scientific Nursing. Lectures are also delivered to them by the members of the Faculty of Physic, on Elementary Anatomy, Physiology, Materia Medica, Chemistry, Antiseptics and Hygiene, as well as upon Nursing in special practice. The Nursing in the Hospital is thus conducted on the most approved plan, and its large material is invaluable to the pupils of the School.

For circulars and information about the Training School, address,

MRS. ETHEL P. CLARKE, Superintendent of Nurses,
Hospital of the University of Maryland,
Baltimore, Md.

MATERNITY HOSPITAL OF THE UNIVERSITY OF MARYLAND.

PROF. L. E. NEALE, M. D., Director.
E. H. KLOMAN, M.D., Associate

WM. L. BYERLY, M.D. L. H. DOUGLASS, M.D. S. E. LEE, M.D.
Resident Physicians.

Synopsis of the Report of the Resident Physicians for the Year Ending May, 1, 1911

Number of Confinements in Hospital..... 400
Number of Confinements in Out-door Department.....1060

Total.....1460
Average number of cases seen by each student of the graduating class, 40

TEXT BOOKS.

Anatomy.—Piersol.

Surgery.—Da Costa; Wyeth; Brewer; Lexer-Bevan; Binnie's; Operative Surgery; Park.

Chemistry.—Remsen; Witthaus; Holland; Simon.

Obstetrics.—William's Obstetrics; Hirst, American Text-Book of Obstetrics.

Principle and Practice of Medicine.—Anders; Osler; Edwards.

Materia Medica and Therapeutics.—Culbreth's Materia Medica; Wood's Therapeutics; (1 vol.); Cushny; Hare.

Physiology.—Halliburton; Hall; Howell; Brubaker; Tigerstedt.

Diseases of Women.—Ashby; Ashton; Montgomery; Penrose.

Diseases of the Eye.—Fuchs. 1908 Edition; DeSchweinitz; May.

Diseases of the Ear.—Politzer (last edition) Deuch; Bezold.

Diseases of the Throat and Nose.—Elementary, J. J. Kyle; Gleason;. *Advanced.*—Ballenger; B. Kyle; Coakley; Grunewald's Atlas.

Orthopedic Surgery.—Taylor's Notes on Orthopedic Surgery.

Pathology.—Delafield and Prudden; Stengel; Macfarland; Abbott's Bacteriology; Histology—Ferguson. Embryology—McMurrich; Heisler.

Medical Jurisprudence.—Chapman; Draper; Stewart.

Hygiene.—Egbert; Harrington; Parke; Bergey.

Diseases of Nervous System.—Starr; Church and Peterson; Gowers; Dana.

Mental Diseases.—Kraepelin; Defendorf.

Diseases of Children.—Holt.

Disease of Skin.—Stelwagen: Duhring; Hyde.

Medical Dictionary.—Dunglison (last edition); Duane; Gould (third edition); Dorland.

Works on Special Subjects.—Greene's Medical Diagnosis; Cabot's Physical Diagnosis; Hemmeter, Diseases of the Stomach; Da Costa on Diagnosis; Sahli's Diagnosis; Anders and Barton's Diagnosis; Musser's Medical Diagnosis; Von Jacksch, Clinical Diagnosis; Tyson, Practical Examination of Urine; Ogden, Clinical Examination of Urine; Fractures, Scudder; Diseases of the Rectum, Gant; Park's History of Medicine.

ALUMNI ASSOCIATION.
UNIVERSITY OF MARYLAND MEDICAL DEPARTMENT.

All alumni in good standing are eligible to membership.

The membership fee is $1.00 per annum, payable in March.

The annual meetings are held on or about Commencement Day, and an orator will be selected to deliver an address upon these occasions.

The Banquet, which follows the delivery of the oration, is a reunion of old classmates, to which members who have paid their dues in full and candidates who have paid their initiation fee are admitted without extra charge.

The following are the officers for the current year:

President—Charles E. Sadtler, M.D.
First Vice-President—Geo. H. Steuart, M.D.
Second Vice-President—Marshall West, M.D.
Third Vice-President—Samuel T. Earle, M.D.
Recording Secretary—Nathan Winslow, M.D.
Asst. Recording Secretary—Wm. S. Love, M.D.
Corresponding Secretary—John I. Pennington, M.D.
Treasurer—John Houff, M.D.
Executive Committee—G. Lane Taneyhill, M.D., B. Merrill Hopkinson, M.D., C. R. Winterson, M.D., G. A. Fleming, M.D., V. L. Norwood, M.D.

Application for membership should be accompanied with *Initiation Fee of* $1.00 and mailed to the *Corresponding Secretary or Treasurer.*

YOUNG MEN'S CHRISTIAN ASSOCIATION
OF THE
UNIVERSITY OF MARYLAND.

C. H. Young, *President.*

This Association since its establishment, sixteen years ago, has steadily grown in numbers and influence and has met a need of College life.

All students of any Department of the University are eligible to membership as actives or associates, which membership includes special privileges in the City Association.

The Association now occupies comfortable rooms in one of the buildings of the University.

Bible and Mission Classes are maintained by the Association throughout the College year, and every effort is exerted to promote Christian character and morality.

A committee of members will be on hand at the opening of the session to welcome new students to the University, and will also be glad to render assistance in

the way of securing comfortable rooms, boarding houses, etc., and to extend any other courtesies possible.

All young men who intend to enter the University are cordially invited to share in the privileges of the Association, and to address the officer named below, who will be glad to furnish any information desired regarding the Association and its work, and to render any assistance in his power, and upon arriving in the city are requested to make themselves known as soon as possible.

C. H. Young, *President.*
University of Maryland, Baltimore, Md.

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Through the instrumentality of the Alumni Association, an important movement in the direction of securing a *permanent endowment* for the School of Medicine of the University has lately been inaugurated.

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This Board is incorporated by act of the Legislature of the State, its legal title being "The Trustees of the Endowment Fund of the University of Maryland," and is independent and self-perpetuating, filling its own vacancies. Its powers are limited to the expenditure of the interest derived from the fund, which is to be applied in the discretion of the Board for the Benefit of the School.

Attention is invited to the "Charles Frick Research Fund", lately established by Messrs. Reverdy Johnson and Wm. F. Frick, for original research.

Contributions, bequests or donations to this fund are solicited from the Alumni and friends of the school. These contributions may be made to the general fund, or for some special object, as building, research, library, hospital, publication, laboratories, gymnasium, scholarship, medal, prize, etc., in which case the wishes of the donor will be strictly regarded.

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(Here state amount or describe property.)

To Endowment Fund.

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UNIVERSITY OF MARYLAND.

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St. John's College, Annapolis, Md.

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For information and Annual Catalogue, address The President of St. John's College, Annapolis, Md.

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The regular Winter Session begins on October 1 of each year, and continues until the following May.

The requirements for admission are the same as in all other reputable dental colleges.

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Matriculation and Tuition Fees, per Session, $150.00.

For information and annual catalogue, address T. O. Heatwole, M.D., D.D.S., Dean, Baltimore, Md.

UNIVERSITY OF MARYLAND.

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FORTY-SECOND ANNUAL SESSION.

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UNIVERSITY HOSPITAL

UNIVERSITY OF MARYLAND—GENERAL VIEW

UNIVERSITY OF MARYLAND

ONE HUNDRED AND SIXTH
ANNUAL ANNOUNCEMENT
OF THE

SCHOOL OF MEDICINE

N. E. Corner Lombard and Greene Streets

BALTIMORE, MARYLAND

SESSION 1912 - 1913

BALTIMORE
WILLIAMS & WILKINS COMPANY
1912

DENTAL, PHARMACY AND LABORATORY BUILDING

CALENDAR.

One Hundred and Sixth Annual Session.

1912.

June 1 to September 30.—Daily Clinics at University Hospital.
October 1.—Regular Session begins.
October 14.—Re-examination of Deficient Students and Examination for Advanced Standing.
November 28.—Thanksgiving Day, Holiday.
December 23.—Christmas Recess begins. 6 p.m.

CHRISTMAS RECESS.

1913.

January 3.—Lectures resumed. 9 a.m.
February 22.—Holiday.
May 15.—Final Examinations begin.
June 1 (about).—Commencement, Annual Meeting of Alumni Association.

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OF THE
UNIVERSITY OF MARYLAND.

THE UNIVERSITY is represented by five departments, each having a distinct Faculty of Instruction.

1st. THE COLLEGE OF LIBERAL ARTS at Annapolis, Md. St. John's College, Annapolis Md., founded in 1696, has by affiliation become the Department of Arts and Sciences. The curriculum leads to the degree of Bachelor, or Master of Arts or Sciences.

2d. THE SCHOOL OF MEDICINE in Baltimore, Md. This school was established in Baltimore, Md., in 1807, and offers a high-grade course in medicine, extending over a period of four years, and leading to the degree of Doctor of Medicine.

3d. THE SCHOOL OF LAW in Baltimore, Md. This school, founded in 1812 and reorganized in 1869, is designed by means of a course of study covering three years to qualify its students for the degree of Bachelor of Laws and for an intelligent practice of the Law.

4th. THE DEPARTMENT OF DENTISTRY was founded in 1882, and is designed to teach the art of dentistry as an integral part of the School of Medicine. The course of study leading to the degree of Doctor of Dental Surgery covers a period of three years.

5th. THE DEPARTMENT OF PHARMACY was established in 1840 as the Maryland College of Pharmacy, and affiliated with the School of Medicine in 1904. The course of study covers two years, and leads to the degree of Doctor of Pharmacy.

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UNIVERSITY OF MARYLAND.

The School of Medicine of the University of Maryland is one of the oldest institutions of medical education in America, having been chartered in 1807, under the title of the College of Medicine of Maryland.

Five years later, in 1812, by authority of the General Assembly of Maryland, the College of Medicine of Maryland was empowered to annex to itself three other colleges or faculties, viz: The Faculty of Divinity, the Faculty of Law, and the Faculty of Arts and Sciences, and the four faculties or colleges thus united were "constituted an University by the name and under the title of the University of Maryland."

The Medical School of the University is thus its oldest department and ranks fifth, in point of age, among the medical colleges of the United States.

Throughout the century of its existence it has always taken rank as one of the leading medical colleges of the South, and among the most widely known and most highly honored of the schools of medicine of the country.

Beginning with the modest number of five, composing the first graduating class in 1810, the list of graduates in medicine of the University of Maryland, now numbers five thousand eight hundred and sixty-six names, drawn from all parts of the United States and from abroad, among which are to be found some of the most noted names connected with the history of medicine in our country.

While from the foundation of the University of Maryland, the policy of the Faculty of Physic has been one of wise conservatism, it has, at the same time, never been behindhand in the march of educational progress, and while retaining for so long a time as they were of real value, those features of older educational methods which were wisest and best, they have often been first, and always among the first, in the adoption of all measures tending to improvement in methods of medical teaching, and to true elevation of the standard of medical education.

In illustration of this we may mention the following facts:

The School of Medicine of the University of Maryland was the first medical school in America to make dissecting a compulsory part of the curriculum. [1833.]

It established one of the first Medical Libraries and the first Medical College Library in the country. [1813.]

It was among the first to teach Hygiene and Medical Jurisprudence. [1883.]

It was the first to give instruction in Dentistry. [1837.]

It was among the first to meet the modern demand for instruction in specialties. [1866.]

It was the first medical school in America to establish separate and independent chairs of Diseases of Women and Children [January, 1867], and of Eye and Ear Diseases. [1873.]

It was among the very first to provide for adequate clinical instruction by the erection of its own hospital, available at all times for the use of the students. [1823.]

It is the aim of the present Faculty of Physic of the University of Maryland to carry out this policy established by its predecessors.

With this end in view, the Faculty has, in the last few years, expended, and is now expending, large amounts in the establishment and equipment of its Lying-in Hospital, its Laboratories of Chemistry, Histology, Pathology and Bacteriology, in the erection of the University Hospital, which was completed in 1897, and in the erection of a new Laboratory Building, just completed, and is therefore in a position to offer to students of medicine and graduates a course of combined didactic, clinical and laboratory instruction which will compare favorably with that offered by any medical school in the United States.

The details of this course will be found in the following announcement of the one hundred and sixth annual course of instruction of the School of Medicine of the University of Maryland.

UNIVERSITY OF MARYLAND.

SCHOOL OF MEDICINE.

ANNOUNCEMENT OF THE ONE HUNDRED AND SIXTH ANNUAL COURSE OF INSTRUCTION.

SESSION 1912-1913.

The One Hundred and Sixth Annual Session of the School of Medicine of the University of Maryland will begin on Tuesday, October 1, 1912, and terminate on June 1, 1913. During the session there is a vacation from December 23, 1912, to January 3, 1913, and there are no lectures on Thanksgiving Day and Washington's Birthday.

Clinical lectures introductory to the regular session are given daily throughout September.

COURSE OF INSTRUCTION.

Four annual graded courses of not less than eight months each will be required for graduation. Every applicant for advanced standing will be required to present satisfactory evidence of having attended courses reasonably equivalent to those already attended by the class to which he seeks admission; to be examined for admission in all the subjects in which the said class shall have been examined already, or to present satisfactory certificates of having passed successfully examinations upon those subjects. Opportunity for taking such examinations will be afforded previous to the opening of each annual session.

The system of instruction for the four years' graded course, with the number of hours in each week devoted to each subject, is shown in the following schedule:

First Year.

Physiology.—Lectures and recitations, 3 hours.
Demonstrations, 3 hours.

Chemistry.—Illustrated lectures on General Chemistry, 2 hours. Prof. Coale.
Laboratory work, 6 hours. Prof. Base.

Anatomy.—Lectures and recitations, 3 hours. Prof. Holland.

Osteology.—Recitations and demonstrations in class sections, 2 hours. Dr. J. H. Smith, Jr.

Dissections, by class sections, daily 2½ hours. Prof. Holland and assistants.

Materia Medica.—Lectures and recitations, 2 hours. Prof. Shipley. Laboratory work, 1 hour. Dr. Sinsky.

Normal Histology and Embryology.—Laboratory work and demonstrations, 6 hours. Dr. Maldeis and assistants.

History of Medicine, 1 hour. Prof. Cordell.

The class divisions are so arranged that work in the laboratories and dissecting-room is evenly distributed throughout the term.

At the end of the first year examinations are held in Osteology, Anatomy, Physiology, and the Laboratory Courses in Chemistry, Histology and Embryology.

Second Year.

Physiology.—Lectures and recitations, 3 hours. Prof. Hemmeter.

Laboratory work, 3 hours.

Surgery.—Bandaging and application of surgical apparatus, 3 hours, in class sections. Dr. Tompkins.

Chemistry.—Illustrated lectures on Organic and Physiological Chemistry, 1 hour. Prof. Coale.

Laboratory work, 4 hours.

Anatomy.—Lectures, recitations and demonstrations, 3 hours. Prof. Smith.

Dissections by class sections, daily 2½ hours. Prof. Holland and assistants.

Materia Medica.—Lectures and recitations, 2 hours. Prof. Shipley.

Laboratory work, 2 hours. Prof. Shipley and Dr. Sinsky.

Medical Jurisprudene and Hygiene, 1 hour. Prof. J. T. Smith.

Bacteriology.—Lectures and laboratory work, 10 hours, half session. Prof. Hirsh and assistants.

Pathology.—Lectures and demonstrations, 1 hour. Prof. Hirsh.

Laboratory work, 6 hours. Prof. Hirsh and assistants.

Physical Diagnosis.—Class sections, 1 hour. Dr. Lockard.

At the end of the second term the student, before being admitted to the third year's class, must stand final examinations in Anatomy, Materia Medica, Physiology, Chemistry, Medical Jurisprudence and Hygiene, General Pathology, Bacteriology, State Medicine, the application of surgical apparatus and bandaging and all Laboratory Courses. He must also produce evidence that his work in the dissecting-room and laboratories has been satisfactory. Should he fail to pass a successful examination in any of these branches, a second opportunity will be afforded him at the opening of the regular session in the autumn; failing in this, such studies for the second year must be repeated.

Third Year.

Practice of Medicine.—Lectures and recitations, 3 hours.

Clinical Lectures and Conferences at University Hospital, 1 hour. Prof. Mitchell.

Diseases of Children.—Clinical Conferences at University Hospital, 1 hour. Prof. Mitchell.

Diseases of Women.—Lectures and recitations, 1 hour. Prof. Ashby. Clinical lectures at University Hospital, 2 hours. Prof. Ashby.

Physical Diagnosis.—Class sections, 1 hour. Instructors in medicine.

Eye and Ear Diseases.—Clinical lectures at University Hospital, 1 hour. Prof. Woods.

Surgery.—Lectures and recitations on General Surgery, 3 hours. Prof. Shipley.

Clinical lectures at University Hospital, 2 hours. Prof. Winslow and assistants.

Clinics and recitations at the City Hospital, 1 hour. Prof. Shipley and assistants.

Demonstrations in Operative Surgery in class sections, 1 hour. Profs. Martin Spruill and N. Winslow.

Obstetrics.—Lectures, 2 hours. Prof. Neale.

Demonstrations, practical instruction with the manikin, and recitations, 1 hour.

Clinical Obstetrics at Maternity Hospital, 1 hour.

Therapeutics.—Lectures and recitations, 2 hours. Prof. Adler.

Physical Therapeutics.—Lectures and recitations, 1 hour, Prof. Gichner.

Special Pathology.—Lectures and demonstrations, 4 hours. Prof. Hirsh.

Laboratory work and demonstrations, 6 hours, half session. Prof. Hirsh and assistants.

Neurology.—Lectures, 1 hour. Prof. Spear.

Special Clinics.—Diseases of the Nervous System, 1 hour. Prof. Spear.

Clinical Pathology.—Class sections, 6 hours. Dr. Lockard.

At the end of the third session the stu lent is admitted to examination in Principles and Practice of Medicine, Therapeutics, Obstetrics, Diseases of Women, Principles of Surgery, Pathology, Operative Surgery, and Clinical Pathology.

Fourth Year.

Practice of Medicine.—Clinical lectures and conferences at University Hospital, 2 hours. Prof. Wilson.

Clinical lectures, Bayview Hospital. Professors of Clinical Medicine.

Ward and dispensary instruction, 6 hours. Professors of Clinical Medicine.

Diseases of Children.—Lectures and recitations, 1 hour. Prof. Mitchell.

Clinical conference, 1 hour. Prof. Mitchell.

Dispensary instruction, 1 hour, class sections. Prof. Mitchell and assistants.

Diseases of Women.—Clinical lectures, ward and dispensary instruction, 4 hours. Profs. Ashby and Hundley.

Eye and Ear Diseases.—Lectures, 2 hours. Prof. Woods.

Clinical lecture, 1 hour, class sections. Prof. Woods.

Demonstrations, Eye and Ear Hospital, 2 hours. Drs. Chisolm, Gibbons, Fleming and Johnston.

Demonstrations, Eye and Ear Dispensary, 1 hour.

Surgery.—Clinical lectures at University Hospital, 2 hours. Prof. Winslow and assistants.

Lecture and clinical conference in Surgery, 3 hours. Prof. Winslow.

Ward and dispensary instruction, 6 hours, class sections. Prof. Winslow and assistants.

Genito-Urinary Surgery.—1 hour. Prof. Timberlake.

Orthopedic Surgery.—University Hospital, 1 hour. Prof. Taylor.

Demonstrations at the J. L. Kernan Hospital for Crippled Children, 1 hour. Prof. Taylor.

State Medicine.—Lectures and conference, 1 hour. Prof. Fulton.

Obstetrics.—Clinical conference, 1 hour. Prof. Neale.

Attendance upon labor cases in and out of hospital. Ward classes, 4 hours.

History of Medicine.—1 hour. Prof. Cordell.

Diseases of the Throat and Nose.—Clinical lectures, 1 hour. Prof. J. R. Winslow.

Dispensary instruction, 6 hours, class sections. Drs. Johnston and Davis.

Nervous and Mental Diseases.—Lectures, 1 hour. Clinics, 1 hour. Prof. Spear. Ward classes, 2 hours. Prof. Spear and assistants.

Dispensary Instruction, class sections, 5 hours. Prof. Spear and Assistants.

Weekly clinics at the City Hospital during January, February and March. Prof. Spear.

Special Clinics.—Diseases of the Skin, 1 hour. Prof. Gilchrist.

Diseases of the Stomach, 1 hour. Prof. Hemmeter.

At the end of the fourth year the student is admitted to the final examinations upon Medicine, Diseases of Children, Diseases of Eye and Ear, Surgery, Clinical Obstetrics, and the other special clinical courses, and upon passing successfully upon these branches will be admitted to the degree of Doctor of Medicine.

CLINICAL INSTRUCTION.

Throughout the entire period of existence of the School of Medicine of the University of Maryland, clinical teaching has always been a prominent and important feature in the course of instruction.

The ownership and exclusive control by the Faculty of Physic of the University Hospital and the Maternity Hospital of the University of Maryland, and the clinical privileges enjoyed by the University in the Presbyterian Eye, Ear and Throat Charity Hospital, the Hospital for Crippled and Deformed Children, Bayview Hospital, and other institutions for the sick in the city, place the Faculty in a position to make unusually prominent this important feature of a medical course, and have enabled it to organize and carry into effect a system of thorough clinical teaching whereby each member of the several class sections is brought into direct personal contact with the cases under examination.

In addition to the regular daily clinical lectures in the amphitheater, much attention is given to this *strictly bedside* instruction.

The students, in small classes, are required to accompany the physician or surgeon through the wards of the hospital, and are there trained in making diagnosis, in the dressing of wounds, the application of splints, plaster jackets and other appliances, and in use of

the ophthalmoscope and laryngoscope, and are enabled to observe the progress of cases under treatment.

In the Dispensaries and Out-patient Departments, students have similar opportunities of familiarizing themselves with methods of diagnosis and treatment in the various specialties of medicine and surgery, and of observation of such cases as do not require confinement in bed.

To the student of medicine the value of the training and encouragement thus afforded him in habits of close and accurate observation, of self-possession and self-reliance, in the future practice of his profession, can hardly be overestimated.

HOSPITALS AND DISPENSARIES.

UNIVERSITY HOSPITAL.

The University Hospital, which is the property of the Faculty of Physic of the University of Maryland, is the oldest institution for the care of the sick in the State of Maryland. It was opened in September, 1823, under the name of the Baltimore Infirmary, and at that time consisted of but four wards, one of which was reserved for eye cases. By successive additions this hospital was increased to more than fourfold its original accommodations, there being added to it a large clinical amphitheater, a students' building for the accommodation of the thirty clinical assistants, and a nurses' building for the accommodation of the pupils of the Training School for Nurses. The yearly increase in the number of patients seeking admission to the hospital, however, more than kept pace with the increase in accommodations, and the Faculty therefore erected an entirely new and modern hospital of fully double the capacity of the former building.

The University Hospital is constructed of brick and Tennessee limestone in the Colonial style of architecture, fronting 175 feet upon Lombard Street, and about the same on Greene Street. It is supplied with the most modern and approved system of heating, ventilation, etc., and equipped with all modern requirements and conveniences for the care of the sick, and for the clinical instruction of the students of the University.

It is one of the largest and finest hospitals owned and controlled by any medical school in America, and in point of architectural beauty,

convenience and completeness of arrangements and equipment compares favorably with other hospitals.

An important adjunct to the hospital is the postmortem building, which is constructed with special reference to the instruction of students in pathological anatomy.

The hospital is situated opposite the University building, so that the student loses no time in passing from the lecture halls to the clinical amphitheater.

A portion of the hospital is used as the

MARINE HOSPITAL.

for foreign seamen. The great importance of Baltimore as a shipping point brings into her harbor many vessels from all parts of the world, and the sick sailors who are cared for in the wards of the institution give the students an opportunity to observe a large variety of diseases. Another considerable portion of the building is used as a Municipal Hospital, and contains charity beds supported by the city of Baltimore. This department of the hospital is taxed to its utmost capacity to afford accommodations for the patients seeking admission.

Owing to its location, being the nearest hospital to the largest manufacturing district of the city, the University Hospital receives for treatment a very large number of accident cases of all kinds, both slight and serious. These cases, as well as patients suffering from the various diseases of our own climate, occupy the beds, and add greatly to the facilities of clinical teaching enjoyed by the school. The facilities for clinical instruction have been greatly enlarged by an appropriation by the State of Maryland for the support of free beds for patients from the various counties.

UNIVERSITY DISPENSARY OR OUT-PATIENT DEPARTMENT.

This department of the University Hospital furnishes a most abundant supply of material for clinical instruction. During the past year the number of visits made by patients to the various departments of the Dispensary was 25,791.

The whole department is arranged and thoroughly organized to facilitate the classification of the patients coming under treatment and their distribution to the various professors giving clinical lectures.

During the intervals between the sessions the regular clinics are continued in the amphitheater, and there is also, each day, a bedside

clinic in the hospital and service in the Dispensary. It will thus be seen that the school offers unusual facilities for clinical study during its regular session, and that the continuance of the clinics during the year affords opportunity to such students and graduates as can spend their time in the city.

Attention is called to the fact that during the intervals between the sessions, from June to October, students have the advantage of *three hours of clinical instruction daily*, between the hours of 11 a.m. and 2 p.m.

RESIDENT STUDENTS.

Accommodations are provided in dormitories adjacent to the hospital for resident students. To these are assigned wards in the hospital, with attendance upon the sick, under the daily supervision of the professors of the University and resident house officers. Special attention is called to the fact that in this institution undergraduates are permitted to enjoy the very great advantages of constant observation of the sick and of receiving daily bedside instruction from the members of the Faculty. Rotation in ward service is the rule adopted, in order that the experience of the students may be as varied as possible.

MATERNITY HOSPITAL OF THE UNIVERSITY OF MARYLAND.

This institution is also the property of the Faculty of Physic, and under its exclusive control and direction, and is conducted with the special purpose of furnishing actual obstetrical experience to each member of the graduating class.

New accommodations have been provided in the general hospital, and the Maternity Department now offers better facilities than ever before. The private rooms and wards are modern in all respects, and the large increase in clinical material has made it possible to offer excellent opportunities for post-graduate work.

Three resident physicians are annually appointed to this hospital from among the graduates of the University.

For purposes of instruction in this most important branch, the members of the Senior Class, after a course of instruction by the Demonstrator of Obstetrics on the manikin, are taken in sections of two students each, into the wards of the hospital, where, under the direct and immediate supervision of the Professor of Obstetrics and his Chief of Clinic, they are thoroughly instructed in vaginal exami-

nation and the antiseptic precautions to be taken in making such examination, abdominal palpation, the diagnosis of presentations, and in the treatment of pregnant women preparatory to labor. The sections of the graduating class are assigned in rotation to attend labor cases in the hospital, and arrangements are perfected whereby members of the section are summoned without delay at any hour when labor occurs.

Students are thus afforded opportunities under the immediate supervision of the instructor to become familiar with the mechanism of labor in all its stages, and have frequent opportunities to witness the application of forceps, and the methods of treatment of the various complications of labor. Much attention is also paid to their instruction in the subsequent treatment of mother and child.

The out-door clinic is thoroughly organized, and after instruction in the hospital, students of the graduating class are allotted to attend labor cases at the homes of patients, under supervision of the Professor of Obsetetrics, his Chief of Clinic, or either of the resident physicians of the Lying-in Hospital whenever complications or difficulties arise. Each student will be required to conduct and keep accurate record of at least ten confinement cases, under the supervision of the attending physician.

During the past session an average number of *forty cases of labor* were seen by each student of the graduating class.

By this system of combined didactic, practical, and clinical methods of teaching, students of this University are afforded opportunities for instruction in this most important branch of medical science which are equaled by very few other schools and surpassed by none.

THE PRESBYTERIAN EAR, EYE AND THROAT CHARITY HOSPITAL.

This institution, which was founded in 1877, largely through the efforts of the late Dr. J. J. Chisolm, then Professor of Diseases of the Eye and Ear in the University of Maryland, is one of the largest special hospitals in the country.

During the year 1910 there were admitted to the Dispensary and Hospital, 11,068 persons.

The Dispensary and wards of this hospital afford ample facilities for the study of diseases of the eye, ear, nose and throat.

The course in Ophthalmology and Otology consists of one didactic lecture weekly, throughout the year, with quizzes on the lectures, and one weekly clinic at University Hospital. These are conducted

by Prof. Woods. Students are assigned in groups to the Eye and Ear Department of the University Hospital Dispensary, where they can see the cases, under Dr. Wm. Tarun, Associate in Ophthalmology. From about the middle of November, on Tuesdays and Thursdays, Prof. Woods meets sections of the class at the Presbyterian Eye, Ear and Throat Hospital, where the large clinic affords ample opportunities for seeing eye and ear diseases. Dr. Richard H. Johnston, of the Nose and Throat Department at the University, is also a surgeon of the Presbyterian Hospital. The hospital is open at 2 p.m. each day.

THE JAMES LAWRENCE KERNAN HOSPITAL FOR CRIPPLED CHILDREN.

This Orthopedic Hospital, with some sixty-five beds, is the only specially equipped institution exclusively for crippled children south of Philadelphia, and is supplied with all facilities for the most advanced methods of treatment.

It is most beautifully and hygienically situated at "Radnor Park," Hillsdale, a suburb of Baltimore readily reached by the street cars.

Professor R. Tunstall Taylor is Surgeon-in-Chief.

The Out-Patient Department is situated in the city, and students have access to clinical instruction there on Tuesdays, Thursdays and Saturdays from 10 to 12 o'clock.

Bedside instruction is given weekly at "Radnor Park" by Professor Taylor or the resident surgeon.

Professor Taylor also gives a clinical and didactic lecture once a week at the University Hospital.

THE CITY HOSPITAL.

The clinical advantages of the University have been largely increased by the liberal decision of the Board of Supervisors of City Charities to allow the immense material of this hospital of 2000 beds to be used for the purpose of medical education. There are daily visits and clinics by the teachers of the University in medicine and surgery at that institution, and the dead-house furnishes a great abundance and variety of pathological material, which is used for demonstration. The Insane Department contains 250 beds.

CHEMICAL LABORATORY.

The Chemical Laboratory is under the supervision of the Professor of Analytical Chemistry, aided by the Demonstrators. Each stu-

dent during his course has assigned him a table and is fully supplied with all necessary apparatus and chemicals, free of charge, except for breakage, which is charged at cost price.

Students of the first year's class will be required to devote six hours weekly to work in this department.

The course of instruction embraces: 1. Training in the proper care and use of apparatus and in the manipulative processes used in the laboratory. 2. The experimental study of the more important elements and compounds, and the repetition of experiments performed in the course of lectures. 3. Instruction in the elements of qualitative analysis.

LABORATORY OF PHYSIOLOGICAL CHEMISTRY.

The second year class is given practical instruction in the chemistry of the sugars and proteids as well as a detailed course in the chemistry of the various secretions. The experiments performed by each student are adapted to illustrate not only the physiological but also the pathological conditions which may result in various diseases from perverted metabolism. The chemistry of the food stuffs and its practical bearing upon diet is especially dwelt upon. The course is essentially practical, only including so much theoretical physiology as is necessary for a proper knowledge of the subject. Graduates and advanced students competent to undertake such work, who desire to pursue special chemical investigation, will be given the opportunity under suitable regulations.

LABORATORY OF PRACTICAL AND EXPERIMENTAL PHYSIOLOGY.

This laboratory is fully equipped with the latest and most improved apparatus from the Harvard Scientific Apparatus Co., and Zimmermann of Leipzig.

Each student is trained to become familiar with the phenomena of life by objective and personal study.

An abundant supply of material is provided for experiment and demonstration.

The laboratory is also well adapted for post-graduate study and special research in Physiology, for which opportunity will be given under suitable regulations.

LABORATORY OF NORMAL HISTOLOGY AND EMBRYOLOGY.

Instruction in this department is given, for six hours weekly, and attendance is obligatory for all first-year students. The course of instruction embraces the method of using the microscope and its accessories; methods of hardening, cutting, staining and mounting the various tissues, together with frequent demonstrations of microscopical anatomy of the different organs and tissues of the body. The department is also well supplied with numerous mounted specimens for the instructions of students.

LABORATORY OF PATHOLOGICAL HISTOLOGY AND BACTERIOLOGY.

In addition to the opportunities which are afforded students for the study of gross pathology by the weekly lectures and demonstrations, and by attendance upon the autopsies at University and Bayview Hospitals, laboratory instruction is also given in Pathological Histology and Bacteriology, for which purposes the autopsies furnish an abundant supply of material.

Ten hours weekly are devoted to this instruction, which is obligatory on all second- and third-year students.

The course of instruction embraces the preparation and study of sections illustrating the common lesions of the various organs; the microscopic examination of urinary sediments; the various methods of isolating and identifying microörganisms, and the method of staining important microörganisms.

Graduates and advanced students qualified to profit by such work, desiring to undertake special lines of investigation in this department, will be afforded excellent opportunities for study.

CLINICAL LABORATORY.

The third-year class, divided into small sections, is given instructions in examination of blood, urine, sputum, feces, and stomach contents, under the direction of Dr. Lockard. The Laboratory is thoroughly equipped.

PRACTICAL ANATOMY.

The dissecting-room is in charge of the Demonstrator, who superintends and directs the classes in their dissection. The rooms are convenient, well warmed, ventilated and lighted. The Demon-

strator and his assistants pass much of their time in assisting the students and in guiding their labors. Access may be had to the rooms daily, between the hours of 3 and 6 p.m..

Dissecting tickets must be countersigned by the Demonstrator as an evidence of satisfactory dissection.

Dissecting material is furnished in abundance, free of charge.

THE LIBRARY.

The Library, founded in 1813, now contains 10,500 volumes, and is open daily during the year for the use of the members of the Faculty, students and the profession generally. During the past year 680 volumes were added.

The more commodious quarters in the newly acquired Davidge Hall have promoted very much its growth and usefulness.

It is well stocked with recent literature, and one hundred and forty-nine journals are regularly received. The pamphlets number 7000.

DENTAL INFIRMARY.

The Dental Department of the University of Maryland is situated upon the University grounds, fronting on Greene Street, and adjoining the building of the School of Medicine.

Daily clinics are held in this department in the afternoon from 2 to 5 o'clock, which are open to students of the School of Medicine, and offer excellent opportunities to students intending to practice in the country to familiarize themselves with dental operations.

DEPARTMENT OF PHARMACY.

By arrangements recently concluded between the two institutions, the Maryland College of Pharmacy, established in 1840, and widely and favorably known as one of the oldest and most prominent of the institutions of its kind in this country, has become the Department of Pharmacy of the University of Maryland, and now occupies buildings upon the University grounds.

The lectures and laboratories in this Department will afford to students of the School of Medicine who expect to practice in the country, opportunities of acquiring a knowledge of correct methods of dispensing medicines which will be of much value in their future practice.

Special courses of instructions in the laboratories of Pharmacy may be arranged for upon payment of a moderate fee.

ANNUAL APPOINTMENTS.

At the close of each session the following annual appointments are made from among the graduates of the school.

TO THE UNIVERSITY HOSPITAL.

Superintendent.
Five Resident Surgeons.
Four Resident Physicians.
Two Resident Gynecologists.
One Resident Pathologist.
One Dispensary Physician and Fifteen Chiefs of Clinic.

TO THE MATERNITY HOSPITAL

Three Resident Physicians

A number of students are appointed each year, at the close of the session, as Clinical Assistants. The fee for such hospital residence is *one hundred and fifty dollars* per year, PAYABLE IN ADVANCE. This covers lodging, light and fuel.

Several appointments to other hospitals of Baltimore are made annually, to which graduates of the University of Maryland are eligible.

PRIZES.

FACULTY PRIZE—To stimulate study among the candidates for graduation, the Faculty offers a Gold Medal to the candidate who passes the best general examination. Certificates of Honor are awarded to the five candidates standing next highest.

REQUIREMENTS FOR MATRICULATION.

Admission to the course in medicine is by a completed Medical Student Certificate issued by the Board of Medical Examiners of Maryland. This certificate is obtained from Prof. Isaac L. Otis, the Entrance Examiner of the Board, on the basis of satisfactory credentials, or by examination, or both.

The requirements for the issue of the Medical Student Certificate are those prescribed by the rules of the Association of American Medical Colleges, of which Association this Faculty is a member, and are as follows:

(A) A baccalaureate degree from an accredited college or University; or,

(B) A diploma from an accredited high school, normal school or academy requiring for admission evidence of the completion of an

eight-year course in primary and intermediate grades, and for graduation not less than four years of study embracing two years (4 points) of Latin, or four years (8 points) of either high school French or German, or its full equivalent, provided a satisfactory examination is passed in the elements of Latin grammar; two years (4 points) of mathematics; two years (4 points) of English; one year (2 points) of history one year (2 points) of physics; and six years (12 points) of further credit in language, literature, history or science; or,

(C) An examination in the following branches, totaling 30 points:

	Points.
(a) Required, 16 points.	
Mathematics—2 years	4
Algebra and plane geometry.	
English—2 years	4
(a) English grammar.	
(b) Rhetoric and composition.	
Latin—2 years	4
(a) Latin grammar.	
(b) Latin prose composition.	
(c) Reading four books of Cæsar or equivalent.	
Physics—1 year, with laboratory work	2
History—1 year	2
(b) Elective, 14 points.	
English Language and Literature—2 years in addition to the required 4 points	4
Language—Latin, German, French, Spanish or Greek, 4 years, not less than one year in any one	2
History—3 years, including civics and political economy	6
Advanced Mathematics—Solid Geometry and Trigonometry, ½ year each	2
Natural Science—(1 year) Biology, 1 year, or Botany and Zoology, ½ year each	2
Physical Science—Chemistry or Physics, 1 year	2
Earth Science—Physical Geography and Geology, ½ year each	1
Physiology and Hygiene—½ year	1
Astronomy—½ year	1
Drawing—½ year	1

One point in any subject in a high school or academic course demands not less than five periods per week of forty-five minutes for eighteen weeks.

Two points equal 5 counts, or 1 unit, or 2 credits.

Conditioned matriculation is not permitted, and all deficiencies in credentials presented must be made good by examination before the student may be admitted.

After January 1, 1914, one year of college credits in chemistry, biology, physics and a modern language, or two years of work in a college of liberal arts will be required in addition to the accredited four-year high school course.

The evaluation of credentials can be made by the Entrance Exam-

iner only, and all students whose entrance qualifications are not clearly satisfactory, or whose certificates are not complete, are advised to obtain from him or from the Dean blank forms on which to prepare a full statement of their previous education, in advance of their coming to Baltimore. Such statements to be submitted to the Entrance Examiner for his advice as to the course to be pursued.

The Entrance Examiner for Maryland is Prof. Isaac L. Otis, Hall of the Medical and Chirurgical Faculty of Maryland, 1211 Cathedral Street, Baltimore. To him must be submitted the credentials of all applicants, and by him is issued the certificate upon which the student is matriculated.

The student is earnestly advised to qualify himself under his State law, and, where such certificates are issued, to receive the medical students' certificate from the State authorities before entering upon his medical studies. By adopting this course future difficulties may be avoided.

Graduates in Medicine desiring to take the Senior Course, without being candidates for the degree, and therefore without examination, may receive a certificate of attendance.

COMBINED COURSE IN ARTS AND MEDICINE.

St. John's College, Annapolis, Md., founded in 1696, is by contract of affiliation styled and recognized as the Department of Arts and Sciences of the University of Maryland.

Students who have completed the Junior Year in St. John's College and who have made an approved choice of electives may if they desire it do the entire work of the Senior Year in the Medical School of the University. If they successfully complete the work of the first medical year they are graduated with their class with the degree of A.B. from St. John's College.

By taking advantage of this privilege a man may complete the Undergraduate and Medical courses in seven years.

During three of these years or until he has completed the work of the Junior class he is a resident student in St. John's College and for four years he is a resident in the Medical School in Baltimore.

At the end of the fourth year he receives the A.B. degree, and at the end of the seven years the M.D. degree, but credit from the Medical School cannot be accepted in subjects for which credit has already been given in the College of Liberal Arts.

GRADUATES OF PHARMACY.

Graduates of recognized Colleges of Pharmacy will be given credit for the work which they have done in Chemistry and Materia Medica and will be excused from the lectures, laboratory work and recitations upon these subjects in the Freshman Year. The fee for the Freshman Year to Graduates of Pharmacy will be $100.

STATUTES.

1. Cards for completed courses will be issued by the Dean at the end of the session. Laboratory tickets and tickets for practical anatomy must be countersigned by the proper demonstrators and directors. Unless properly countersigned, a ticket will not be accepted as evidence of a completed course.

2. Every candidate must have passed examinations in the various branches of medicine taught in this school, or show satisfactory evidence of having done so in other schools, and also produce evidence of satisfactory work in practical anatomy and the various laboratories. Attendance upon all clinical lectures is obligatory.

3. Any student failing in more than one-half the yearly examinations shall be required to repeat the work of the year and shall not be allowed to advance with his class. Students deficient in less than one-half the year's work are permitted to make up their deficiency in the fall examinations. All students are required to stand the spring examinations unless excused by the Dean. No student will be permitted to enter the third-year class who has not completed all first-year work, and no student will be permitted to enter the fourth-year class who has not completed all second-year work.

A student required to repeat the work of the first, second or third year will be permitted to do so upon payment of the matriculation fee only.

4. The graduation fee, which is $30, must be deposited with the treasurer before the candidate can be admitted to final examination. This fee is returned in case the examination is unsuccessful.

5. Examinations for the degree of Doctor of Medicine are conducted by the several professors.

A student failing in final examination for graduation at the end of the fourth year will be charged the regular fees for tuition, etc., and will be required to repeat the entire course of the fourth year should he be permitted to again enter the school as a candidate for graduation.

6. The judgment of the Faculty upon the fitness of a candidate is based upon the knowledge of his general attendance and industry, character and habits, as well as upon the results of his final examinations.

ANNUAL LIMITATION OF RULES AND FEES.

All the above rules, as well as the fees stated below, relate to the year ending June 1, 1913, only. The right is reserved to make changes in the curriculum requirements for graduation, fee, and all the regulations whenever the Faculty deem it expedient.

FEES.

Matriculation fee (paid each year)	$5.00
Tuition fee (each year)	150.00
Graduation fee	30.00

There are no extra charges for instruction in any department, or for laboratory courses, except for breakage, and in special cases for materials consumed.

Tuition fees are due and payable during October, and if the entire amount is paid at the Dean's office before November 1, the tuition fee for that year will be $145.

The above fees apply to all students who matriculate in this institution for the first time, in any class, for the session beginning October 1, 1912.

Students who have already attended one or more full courses of instruction in this institution will be entitled to complete the course in medicine at the current rates in force at the time of their first full course of lectures in this institution.

Fees for individual courses, $25 each.

SCHOLARSHIPS.

The Dr. Samuel Leon Frank Scholarship.

This scholarship, established by Mrs. Bertha Rayner Frank as a memorial of the late Dr. Samuel Leon Frank, an alumnus of this University, entitles the holder to exemption from the payment of the tuition fee of that year.

It is awarded by the Trustees of the Endowment Fund of the University in each year upon nomination of the Faculty of Physic, "to

a medical student of the University of Maryland, who in the judgment of said Faculty, is of good character, and in need of pecuniary assistance to continue his medical course."

This scholarship is awarded to a second, third or fourth year student only, who has successfully completed one year's work in the medical course, and no man may hold such scholarship for more than two years.

The Charles M. Hitchcock Scholarships.

From a bequest to the School of Medicine by the late Charles M. Hitchcock, M.D., an alumnus of the University, two scholarships have been established which entitle the holders to exemption from payment of tuition fees for the year.

These scholarships are awarded annually by the Faculty of Physic to students who have meritoriously completed the work of at least the first year of the course in medicine, and who present to the Faculty satisfactory evidence of good moral character, and of inability to continue the course without pecuniary assistance.

The Randolph Winslow Scholarship.

This scholarship, established by Prof. Randolph Winslow, M.D., LL.D., entitles the holder to exemption from the payment of the tuition fee of that year.

It is awarded annually by the Trustees of the Endowment Fund of the University, upon nomination of the Faculty of Physic, to "a needy student of the Senior, Junior, or Sophomore Classes of the Medical School.

"He must have maintained an average grade of 85% in all his work up to the time of awarding the scholarship.

"He must be a person of good character and must satisfy the Faculty of Physic that he is worthy of and in need of assistance."

The University Scholarship.

This scholarship, which entitles the holder to exemption from payment of the tuition fee of the year, is awarded annually by the Faculty of Physic to a student of the Senior Class who presents to the Faculty satisfactory evidence of good moral character, and that he is worthy of and in need of assistance to complete the course.

The St. John's Scholarship.

This scholarship is awarded annually by the Faculty of Physic upon the nomination of the President of St. John's College.

It entitles the holder to exemption from the payment of the tuition fee of that year.

NOTICE TO STUDENTS.

The personal expenses of students are at least as low in Baltimore as in any large city in the United States. The following estimates of students' personal expenses for the academic year of eight months have been prepared by students, and are based upon actual experience:

Items.	Low.	Average.	Liberal.
Books	$ 18	$ 32	$ 50
College Incidentals	....	5	10
Board, eight months	96	112	128
Room rent	48	65	80
Clothing and washing	35	50	100
All other expenses	10	20	75
Total	$207	$284	$443

Students will save time and expense upon their arrival in the city by going direct to the School of Medicine on the University grounds, N. E. corner of Lombard and Greene Streets, where the Superintendent of buildings, who may be found at his office on the premises, will furnish them with a list of comfortable and convenient boarding houses suitable to their means and wishes.

The Dean will, if desired, attend to the collection of checks and drafts of students.

For further information, apply to

R. Dorsey Coale, Ph.D., *Dean of the Faculty,*

University of Maryland, Baltimore, Md.

MATRICULATES FOR 1911-1912.

POST-GRADUATES AND SPECIAL STUDENTS.

Charles Bagley, Jr., M.D.....*Maryland.*
W. P. B. Bell.....*Virginia.*
James J. Carroll, M.D.....*Maryland.*
Frederick Henry Herrmann, M.D.....*Maryland.*
Foster Cannon Howard.....*Maryland.*
J. W. P. Jarvis, M.D.....*West Virginia.*
Charles L. Magruder.....*Maryland.*
Beverly L. Noe, M.D.....*West Virginia.*
John E. O'Neill, M.D.....*Maryland.*
Abraham Reinfield.....*New Jersey.*
James Jackson Stewart, M.D.....*North Carolina.*
Charles B. Williams, M.D.....*West Virginia.*

FOURTH YEAR CLASS.

Name	State	Preceptor
Abell, Robert E	*South Carolina*	Davidson College.
Allgood, Reese Alexander	*South Carolina*	Dr. J. L. Valley.
Allison, Robert Glenn	*South Carolina*	Dr. J. S. Barron.
Aviles, Angel Virgilio	*Ecuador*	Central Univ. of Quito.
Battle, George Cullen	*North Carolina*	Univ. of N. C.
Beard, Grover C	*North Carolina*	Univ. of N. C.
Berngartt, Bernard Mark	*Maryland*	
Bishop, Harry A	*Dist. of Columbia*	Baltimore Med. College.
Bonner, Robert A	*Maryland*	Collegiate Prep. School.
Buchanan, Sidney E	*North Carolina*	Univ. of N. C.
Chipman, W. Thomas	*Delaware*	Dr. W. H. Chipman.
Clautice, Charles P	*Maryland*	
Claytor, W. Rivers	*South Carolina*	Dr. H. Claytor.
Cochran, James D	*North Carolina*	
Connors, Thomas Joseph	*Connecticut*	Dr. C. W. Fuller.
Dalton, James Thomas	*Canada*	McGill University.
Darby, John Dade	*Maryland*	Md. Agric. College.
Dean, Russell H., Jr	*Florida*	Dr. R. H. Dean.
Deibel, Harry	*Maryland*	Dr. Harry Gross.
Disbrow, George Ward	*New Jersey*	
Donovan, John Bernard	*Maine*	Dr. J. A. Donovan.
Duggan, James Archie	*Georgia*	
Ebert, John William	*Virginia*	Dr. S. P. Latane.
Fabian, Harry	*Alabama*	
Frey, Ernest William	*Maryland*	
Gallion, William E., Jr	*Maryland*	Dr. Curran.
George, Dawson Orme	*Maryland*	Dr. Enoch George.
Gladstone, Charles F	*Virginia*	
Goldstein, Abraham	*New York*	
Haines, William Granville	*Maryland*	Baltimore City College.
Hair, Judson Elam, Jr	*South Carolina*	
Helfgott, Nathan	*Dist. of Columbia*	Georgetown University.
Helfgott, Max A	*Dist. of Columbia*	Georgetown University
Hennessey, Edward H. J	*Connecticut*	Dr. Wm. H. Conklin.
Hinnant, Milford	*North Carolina*	Univ. of N. C.
Hubbard, James Edward	*Maryland*	St. John's College.
Irwin, Henderson, B. S	*North Carolina*	Univ. of Va.
Johnson, Edward Sooy	*Maryland*	Dr. J. A. Riley.
Johnston, John Kent	*Florida*	

Name	State	Preceptor
Joslin, Charle gring	*Maryland*	
Judd, Clarence W	*Pennsylvania*	Dr. Alfred P. Gray.
Kahn, M. Randolph	*Maryland*	Collegiate Prep. School.
Kolb, Edwin P	*Maryland*	New Windsor College.
Lawler, Daniel H	*Connecticut*	Dr. J. A. Coogan.
Lebret, Gerard Henry	*New Jersey*	Dr. A. E. Wrensch, Jr.
Lenzner, Simon Geilech	*New York*	
Lichtenberg, Moses Louis	*Maryland*	Baltimore City College.
Lillich, Bertrand Allen, Phar.D	*Pennsylvania*	
Livingston, Everett A	*North Carolina*	
Llamas, Enrique	*Colombia, S. A*	
Looper, Edward Anderson	*Georgia*	Dr. W. S. Elkin.
McGoogan, Benjamin J	*North Carolina*	Univ. of N. C.
Martin, Andres G	*Cuba*	Collegiate Prep. School.
Michel, William	*Maryland*	Baltimore City College.
Newhouse, Benjamin	*Maryland*	Dr. E. Deichmann.
Norton, John C	*Maryland*	Dr. M. A. O'Neill.
Parlett, Roger V	*Maryland*	St. John's College.
Patrick, R. Bruce, A.B	*South Carolina*	Erskine College.
Pearlstein, Phillip	*Texas*	
Rauschenbach, Charles William, Phar.D	*Maryland*	Md. Coll. of Phar.
Rich, Herman Harry	*New Jersey*	Dr. W. Winters.
Rottenberg, Joseph	*Maryland*	Baltimore City College.
Scott, Wilbur Moate	*Georgia*	Dr. W. S. Elkin.
Sharp, Jay D., B.S	*Indiana*	Valparaiso College.
Sherrill, Everett Alanson, B.S	*North Carolina*	
Silberman, David	*Maryland*	Baltimore City College.
Skladowsky, John A	*Maryland*	Baltimore City College.
Stallworth, Clarke J	*Alabama*	Dr. W. H. Taylor.
Stansbury, John C	*Maryland*	Baltimore City College.
Stem, Grover A	*Maryland*	Dr. Edwin D. Cronk.
Stevens, Thomas F. A., Phar. D	*Maryland*	Md. Coll. of Phar.
Stilley, Jesse Cunningham	*Pennsylvania*	Dr. W. J. Bryson.
Straessley, Edward Charles	*Pennsylvania*	Dr. F. X. Straessley.
Terry, William C., M.D	*North Carolina*	N. C. Med. College.
Traband, John Henry, Jr	*Maryland*	Baltimore City College.
Vega, Luis G., A.B	*Cuba*	Instituto de Oriente.
Vinciguerra, Michael	*New Jersey*	Dr. A. Bianchi.
Webb, Harold Homer	*Virginia*	
Whitaker, Edwin Vignes	*Louisiana*	Dr. T. L. Mills.
Whitaker, F. Stanly	*North Carolina*	Dr. W. O. Nesbit.
Wiener, Hyman R	*Pennsylvania*	Dr. J. E. Gichner.
Williams, Robert Cleveland	*North Carolina*	Dr. R. S. Carr.
Yeager, W. Howard	*Pennsylvania*	Dr. J. H. Vastine.
Zimmerman, Henry	*Massachusetts*	Hartford High School.

THIRD YEAR CLASS.

Alexander, S. A	*North Carolina*	Univ. of N. C
Bean, Philip Jenifer	*Maryland*	Baltimore City College.
Beavers, John Thomas	*North Carolina*	Univ. of N. C
Blalock, B. Karl	*North Carolina*	Univ. of N. C.
Breeding, Earle Griffith, B.A	*Maryland*	Washington College.
Buch, J. M., A.B	*Cuba*	Instituto de Oriente.
Butler, H. W	*Brazil, S. A*	Dr. G. Butler.
Callahan, Frank F	*Maryland*	Collegiate Prep. School.
Casler, Frank G	*West Virginia*	West Virginia Univ.
Cavanaugh, Leo M	*Maryland*	Dr. A. Leo Franklin.
Choate, Posey Leff	*North Carolina*	Dr. B. O. Choate.
Cobb, Ross B	*Pennsylvania*	Dr. Thos. S. Cullen.

Name	State	Preceptor
Condon, Vernon H.	*Maryland*	Dr. E. H. Condon.
Councill, Wilford A. Hall	*Maryland*	Collegiate Prep. School.
Craven, Franklin Clyde	*North Carolina*	
Detrick, Frederick Louis	*Virginia*	Dr. Wm. Dabney.
Devine, Frederick R.	*Rhode Island*	Dr. Edw. Gill
Di Stefano, Dominick	*Maryland*	Dr. E. G. Welch.
Edwards, Charles Reid	*Maryland*	Adamstown High School.
Edwards, Vertie Edward	*North Carolina*	
English, Ernest Lafayette	*North Carolina*	Univ. of N. C.
Fajardo, Idalberto H.	*Cuba*	Dr. J. M. Infante.
Flickinger, William H.	*Pennsylvania*	Dr. H. W. Woods.
Gannon, Charles Henry	*Rhode Island*	
Gaylas, Frank E.	*Pennsylvania*	Jefferson Med. College.
Gemmill, Frank W.	*Pennsylvania*	Dr. David Posey.
Goldsmith, Harry	*Maryland*	Baltimore City College.
Gould, Nathaniel Jay	*Virginia*	Norfolk High School.
Graves, Jesse C.	*Arkansas*	
Hays, Leonard	*Maryland*	Dr. E. B. White.
Hayworth, Claudius Abijah	*North Carolina*	N. C. Med. College.
Heid, Edward F.	*Pennsylvania*	Dr. Geo. F. Heid.
Hemphill, Clyde Hoke	*North Carolina*	Univ. of N. C.
Holmes, Everett J.	*Maine*	
Holstein, Aaron Louis	*New Jersey*	
Kish, Paul A.	*New Jersey*	Dr. McChesney.
Lecates, Howard E.	*Delaware*	Laurel High School.
Levin, Herman Harry	*Connecticut*	Tufts College.
McDaniel, Frederick Leonard	*Alabama*	Dr. W. S. Elkin.
Martin, William Tillman	*South Carolina*	Dr. A. R. Hunter.
Murphy, Franklin Dashiell	*Maryland*	
Murray, James Henry, Jr.	*Maryland*	Dr. Cawood.
Nance. Fuller, Ph.G.	*Maryland*	
Neistadt, C. S.	*Maryland*	Baltimore City College.
Newcomer, Elmer	*Maryland*	
Nitsch, Norbert Charles, A.B.	*Maryland*	Mt. St. Joseph's College.
Norment, Richard Baxter, Jr.	*Maryland*	Dr. R. B. Norment.
Ostendorf, Walter A.	*Maryland*	
Perez, Herman Marino, Lit.B.	*Cuba*	Instituto de Oriente.
Phillips, John C.	*Georgia*	
Pratt, T. Ruffin	*North Carolina*	Dr. Thos. Taylor.
Raysor, Harry C.	*South Carolina*	Wofford College.
Scruggs, Wm. H., Jr.	*Georgia*	Mercer Univ.
Sellers, Robert Raymond	*Ohio*	Dr. V. H. Tuttle.
Shuler, G. Clyde	*Virginia*	
Sirak, William W.	*Pennsylvania*	
Slusher, Hamilton J.	*Virginia*	
Smith, David A.	*Pennsylvania*	
Smith, Manly Coke	*South Carolina*	Dr. A. R. Hunter.
Sparck, Joseph	*Maryland*	
Spoore, Compton	*New York*	Dr. H. Burwell.
Stoneham, H. Graham	*Virginia*	
Tannenbaum, Frank	*New Jersey*	
Toulson, W. Houston, A.B.	*Maryland*	Washington College.
Travers, Edgar E.	*Maryland*	Virginia Military Inst.
Troxler, Moody R.	*North Carolina*	
Tullidge, E. Kilbourne	*Pennsylvania*	Dr. Geo. B. Tullidge.
Warner, Theodore B.	*Maryland*	
Wells, Grady Brice	*South Carolina*	Dr. H. R. Wells.
Whelchel, Cleveland Davis	*Georgia*	Dr. W. S. Elkin.
Williams, Lester Lonnie	*North Carolina*	Univ. of N. C.
Woods, Thomson Butler	*South Carolina*	

Name	State	Preceptor
Wrightson, William O	*South Carolina*	
de Yoanna, Alfred Aurelius	*New York*	Dr. A. de Yoanna.
de Yoanna, Saverio Aureliuo	*New York*	Dr. A. de Yoanna.

SECOND YEAR CLASS.

Avakian, Vosgan A., A.B.	*Turkey*	Euphrates College.
Ayres, Charles C.	*Maryland*	Jarrettsville High School.
Balart, Antonio	*Cuba*	Charlotte Hall Academy.
Barber, Yates Middleton	*Virginia*	William and Mary College.
Barr, Walter Stuart	*South Carolina*	Davidson College.
Benard, Albert	*Nicaragua*	Dr. S. Castrillo.
Blake, Lowrie Wilson	*South Carolina*	
Bogart, Clark S.	*Pennsylvania*	Bradford High School.
Boylan, Lawrence B.	*New Jersey*	
Bradley, Theron Robert	*New York*	Dr. A. D. Wadsworth.
Bridgers, Harvey C.	*North Carolina*	Dr. A. S. Bridgers.
Brogden, James Chester, A.B.	*South Carolina*	Wofford College.
Brotman, M. Morton	*New Jersey*	Newark High School.
Byers, Horace Wellington	*North Carolina*	Hampden-Sidney College.
Caldwell, John C.	*South Carolina*	
Clark, Haynsworth D.	*Florida*	Alachua High School.
Clark, Hugh E.	*Virginia*	
Clinton, Roland S.	*North Carolina*	Dr. H. M. Eddleman.
Coleman, Alexander Stuart	*Georgia*	Dr. Albert Jefferson.
Collier, Thomas Reed	*Virginia*	
Cook, LeCompte	*Maryland*	St. John's College.
Crist, George Bruce	*Maryland*	Dr. F. D. Harshman.
Davis, Theodore McCann	*South Carolina*	Dr. R. E. Houston.
Denny, Walter L., Jr.	*Maryland*	Collelate Prep. School.
Dodson, James Furman	*South Carolina*	Furman University.
Dovell, Chauncey Elmo	*Virginia*	William and Mary College.
Echeverria, Jose R.	*Florida*	Tampa High School.
Esslinger, Richard I., Phar.D.	*Maryland*	Baltimore City College.
Fenby, John Smith	*Maryland*	Baltimore City College.
Grant, Harry Clifford	*North Carolina*	
Guistwhite, Bruce H.	*Pennsylvania*	Dr. H. B. Hetrick.
Habliston, Charles Carroll, Phar.D.	*Maryland*	Baltimore City College.
Hassell, Cecil S.	*North Carolina*	Dr. S. Hassell.
Hicks, Claud B., A.B.	*North Carolina*	Trinity College.
Hoke, Clarence C., A.B.	*Maryland*	Mt. St. Mary's College.
Horger, Eugene Leroy, A.B.	*South Carolina*	Wofford College.
Hundley, Frank S.	*Maryland*	Dr. E. G. Comegys.
Johnson, Raymond Lovejoy, Ph.G.	*Florida*	Dr. A. B. Beall.
Katzenberger, James Wesley, A.B.	*Maryland*	Mt. St. Joseph's College.
Kean, Thomas S.	*Maryland*	Dr. A. Leo Franklin.
Layton, Edward Gordon	*South Carolina*	
Levin, Morris Benjamin	*Maryland*	Baltimore City College.
Limbaugh, Louie M.	*Florida*	Duval High School.
Lipnick, Alexander	*Maryland*	Baltimore City College.
Love, Samuel Glenn	*South Carolina*	Dr. William Love.
Lutz, John Francis, A.B.	*Maryland*	St. John's College.
McFadden, Albert David	*Alabama*	Dr. W. S. Elkin.
Markell, Solomon Charles	*Maryland*	Baltimore City College.
Metcalfe, Challice Hagdon	*Maryland*	Washington College.
Morales, Jose, Ph.G., A.B.	*Cuba*	University of Habana.
Mordecai, Alfred	*North Carolina*	Dr. C. J. Parleir.
Munnerlyn, Joseph Francis, A.B.	*South Carolina*	Wofford College.
Ostro, Marcus	*Delaware*	Dr. J. Ostro.
Penebaz, Fernando	*Cuba*	

Name	State	Preceptor
Perkins, Edwin Hebden	*Maryland*	Dr. E. Deichmann.
Portuondo, Albert Leocadis	*Cuba*	Villanova College.
Pushkin, Benjamin	*Maryland*	Witebsk Gymnasium.
Reed, Joseph Corrington, Jr	*Maryland*	Collegiate Prep. School.
Rice, William F	*North Carolina*	Columbia High School.
Richards, Walter L	*Maryland*	Collegiate Prep. School.
Riera, Manuel J., A.B	*Cuba*	Instituto de Oriente.
Schapiro, Abraham	*Maryland*	Baltimore City College.
Schnuck, Harry	*Maryland*	Baltimore City College.
Smith, M. Duke	*Maryland*	Denton High School.
Stahl, William Martin	*Connecticut*	Collegiate Prep. School.
Stein, Harry	*Maryland*	Baltimore City College.
Stephens, Charles M	*Pennsylvania*	Dr. R. W. Ramsay.
Stewart, Emmet James	*Maryland*	Baltimore City College.
Tidmarsh, Henry Walter	*South Carolina*	
Timanus, George Loutrell	*Maryland*	Baltimore City College.
Tolleson, Clarence C	*Arizona*	Wofford College.
Vaccaro, Leopold	*Maryland*	Clark University.
Van Poole, Carl M	*North Carolina*	Mt. Pleasant Coll. Inst.
Vinson, Porter Paisley, B.S., A.M	*North Carolina*	Davidson College.
Walsh, William S	*Rhode Island*	LaSalle Academy.
Warner, Howard Hoge	*Maryland*	
Whiteside, W. Carl	*South Carolina*	Dr. B. N. Miller.
Wilkinson, Vernon Stevens	*Pennsylvania*	Western Maryland College.
Williams, David Tressler	*Virginia*	Dr. Anderson.
Wilson, Frank Minium	*Maryland*	Dr. J. Jones Wilson.
Wilson, Frank W	*North Carolina*	Dr. C.O.H.Laughinghouse.

FIRST YEAR CLASS.

Anderson, Franklin B	*Maryland*	Collegiate Prep. School.
Arnold, John Bruce	*Maryland*	Baltimore City College.
Ashman, Jesse, LL.B	*Maryland*	
Bennett, James Allan	*Virginia*	
Berlin, Samuel	*Maryland*	
Birely, Lewis A	*Maryland*	Dr. F. D. Harshman.
Blackmer, Jocelyn William	*North Carolina*	Trinity High School.
Braverman, Abraham	*Maryland*	Baltimore City College.
Brotman, Robert H	*Maryland*	Dr. E. Deichmann.
Buie, Louis A., B.A	*South Carolina*	University of S. C
Byrnes, Hugh Edward	*Connecticut*	Phillips Exeter Academy.
Chambliss, Peter Corbin	*Maryland*	Johns Hopkins Univ.
Cohn, Alexander	*Maryland*	Collegiate Prep. School.
Cohn, Charles A	*Pennsylvania*	Dr. M. L. Cahn.
Crook, Charles S	*Maryland*	Dr. G. G. Rusk.
Diener, Louis	*Virginia*	Culpeper High School.
Dimarco, Vincent	*Mississippi*	Dr. S. Dimarco.
Dorsey, George H	*Maryland*	Dr. C. G. Myers.
Egan, Michael Joseph, Jr	*Georgia*	Dr. Marion Thomas.
Elrod, Luther C	*South Carolina*	Wofford College.
Etzler, Dorsey Paul	*Maryland*	Frederick Co. High School
Foard, Frederick T., Jr	*North Carolina*	University of N. C.
Foxwell, Raymond Kennedy	*Maryland*	Charlotte Hall Academy.
Fritz, Gustav A	*Maryland*	Baltimore City College.
Gibbons, Richard William	*New Jersey*	
Gilbert, Harry Jesse	*New Jersey*	
Goldman, Harry	*Maryland*	Collegiate Prep. School.
Gordy, Lyle Leeland	*Maryland*	
Hale, L. Fitzhugh	*Virginia*	
Hamill, Henry Byrne	*Maryland*	Hampden-Sidney College.
Hays, Mathew Ewing	*West Virginia*	Dr. C. N. Wyant.

Name	State	Preceptor
Hendrix, Nevins, Byford, A.B	*South Carolina*	Dr. M. Q. Hendrix.
Hill, Robert B., B.S., M.A	*North Carolina*	Davidson College.
Jenkins, Ralph Hathaway	*Maryland*	Johns Hopkins University.
Jenkins, William Hemson	*Virginia*	Richmond College.
Johnson, Robert W	*South Carolina*	
Johnson, William Robert	*South Carolina*	
Krantz, Herman Warner	*Connecticut*	
Laplanche, Ernest	*Maryland*	Milton Academy.
Leiva, Carlos E	*Cuba*	Dr. J. M. Infante.
Lewis, Le Roy	*South Carolina*	Presbyterian College.
Lockridge, Raymond B	*West Virginia*	
Lowry, John A. B	*North Carolina*	Indian Normal College.
McAnally, William F	*North Carolina*	University of N. C.
McCabe, J. Levering	*North Carolina*	University of N. C.
Mench, Wilson S	*Maryland*	Collegiate Prep. School.
Merkel, Henry Anton	*Maryland*	Dr. E. Deichmann.
Michael, Marion Harlan	*Maryland*	Baltimore City College.
Mitchell, Henry Stanley	*Maryland*	Dr. N. I. Broadwater.
Mitchell, Roy W	*Delaware*	Millsboro High School.
Moffett, Daniel Bruce, B.A	*Alabama*	Richmond College.
Parlett, William Alvin	*Maryland*	Dr. J. T. Avery.
Patrick, George R., Jr	*North Carolina*	Dr. L. N. Patrick.
Penabaz, Jose A., B.A	*Cuba*	
Pinkerton, Frank Coulson	*Virginia*	
Porro, Adalberto Cesar	*Florida*	Tampa High School.
Porter, Lyman R	*Maryland*	
de Quevedo, Alberto Garcia	*Porto Rico*	
Rappeport, Jacob Max	*Maryland*	
Raskin, Moses	*Georgia*	
Rever, William B	*Maryland*	
Robinson, John Daniel, A.B	*North Carolina*	Davidson College.
Ross, George Perry	*Maryland*	Baltimore City College.
Rush, Playford L	*Maryland*	Collegiate Prep. School.
Schreiber, Louis Walter	*Maryland*	Collegiate Prep. School.
Shafer, Ralph	*Maryland*	
Shannon, Samuel Dennison	*Maryland*	Baltimore City College.
Sindler, Joseph	*Maryland*	
Soderstrom, Gustav Albin, A.B	*New Jersey*	Upsala College.
Stern, Max E	*Maryland*	Columbia College.
Stringer, John Thomas	*Virginia*	Dr. R. A. Rosser.
Tonolla, Howard	*Maryland*	Collegiate Prep. School.
Whittington, William Eugene	*North Carolina*	Baltimore Med. College.
Williams, William Frederick	*Maryland*	Cumberland High School.
Wilson, Bascom L	*North Carolina*	
Woodland, John C., Phar.D	*Maryland*	Md. College of Phar.
Wolfe, Humphrey D	*Maryland*	
Zeller, Eugene Joshua Karl	*Maryland*	Baltimore City College.
Ziegler, Mark V	*Maryland*	St. John's College.

GENERAL SUMMARY OF STUDENTS ATTENDING THE UNIVERSITY OF MARYLAND, SESSION OF 1911-1912.

Department of Arts and Sciences (St. John's College)	202
School of Medicine	331
Department of Law	180
Dental Department	199
Department of Pharmacy	106
Training School for Nurses	80
Total	1098

GRADUATES JUNE 1, 1912.

Robert Ephraim Abell.....*South Carolina.*
Reese Alexander Allgood...*South Carolina.*
Robert Glenn Allison.....*South Carolina.*
Angel Virgilio Aviles.....*Ecuador, S. A.*
George Cullen Battle.....*North Carolina.*
Grover Cleveland Beard....*North Carolina.*
Bernard Mark Berngartt.....*Maryland.*
Harry Aloysius Bishop....*Dist. of Columbia.*
Robert Alexander Bonner.....*Maryland.*
Sidney Eli Buchanan.....*North Carolina.*
William Thomas Chipman.....*Delaware.*
Charles Peter Clautice.....*Maryland.*
Wilfred Rivers Claytor.....*South Carolina.*
James Daniel Cochran.....*North Carolina.*
Thomas Joseph Connors.....*Connecticut.*
John Dade Darby.....*Maryland.*
Russell Hardy Dean, Jr.....*Florida.*
Harry Deibel.....*Maryland.*
John Bernard Donovan.....*Maine.*
James Archie Duggan.....*Georgia.*
John William Ebert.....*Virginia.*
Ernest William Frey.....*Maryland.*
William Edwin Gallion, Jr.....*Maryland.*
Dawson O. George.....*Maryland.*
Abraham Goldstein.....*New York.*
William Granville Haines.....*Maryland.*
Judson E. Hair.....*South Carolina.*
Edward H. J. Hennessey.....*Connecticut.*
Milford Hinnant.....*North Carolina*
James Edward Hubbard.....*Maryland.*
Henderson Irwin.....*North Carolina.*
Edward Sooy Johnson.....*Maryland.*
John Kent Johnston.....*Florida.*
Charles Loring Joslin.....*Maryland.*
M. Randolph Kahn .....*Maryland.*
Edwin Paul Kolb .....*Maryland.*
Daniel Henry Lawler.....*Connecticut.*
Simon Geilech Lenzer.....*New York.*
Moses Louis Lichtenberg.....*Maryland.*
Bertrand Allen Lillich.....*Pennsylvania.*
Everett Alexander Livingston.....*N. C.*
Enrique Llmas.....*Columbia, S. A.*
Edward Anderson Looper.....*Georgia.*
Benjamin J. McGoogan.....*North Carolina.*
Andres Martin G. de Peralta.....*Cuba.*
William Michel.....*Maryland.*
Benjamin Newhouse.....*Maryland.*
John Charles Norton.....*Maryland.*
Roger Vinton Parlett.....*Maryland.*
Robert Bruce Patrick.....*South Carolina.*
Philip Pearlstein.....*Texas.*
Charles Wm. Rauschenbach.....*Maryland.*
Harry Herman Rich.....*New Jersey.*
Joseph Rottenberg:.....*Maryland.*
Wilbur Moate Scott.....*Georgia.*
Jay D. Sharp.....*Indiana.*
Everett Alanson Sherrell...*North Carolina.*
David Silberman.....*Maryland.*
John Andrew Skladowsky.....*Maryland.*
Clarke Jackson Stallworth.....*Alabama.*
John Clinton Stansbury.....*Maryland.*
Grover A. Stem.....*Maryland.*
Thomas F. A. Stevens.....*Maryland.*
Jesse Cunningham Stilley.....*Pennsylvania.*
Edward Charles Straessley...*Pennsylvania.*
William C. Terry.....*North Carolina.*
John Henry Traband, Jr.....*Maryland.*
Gerardo Vega y Thomas.....*Cuba.*
Michael Vinciguerra.....*New Jersey.*
Harold Homer Webb.....*Virginia.*
Edwin V. Whitaker.....*Louisiana.*
Hyman R. Wiener .....*Pennsylvania.*
Robert Cleveland Williams.....*N. C.*
W. Howard Yeager.....*Pennsylvania.*
Henry Zimmerman.....*Massachusetts.*

PRIZEMEN.

University Prize—*Gold Medal*.....Charles William Rauschenbach

Certificates of Honor.

Edwin Paul Kolb,
Robert Ephraim Abell,
William Granville Haines,
Robert Alexander Bonner,
William Michel.

UNIVERSITY HOSPITAL.

Wm. J. Coleman, M.D.
Medical Superintendent.

F. R. Winslow, M.D.
Robert E. Abell, M.D.
Wm. E. Gallion, Jr., M.D.
Edward A. Looper, M.D.
Henderson Irwin, M.D.
Assistant Resident Surgeons.

Chas. W. Rauschenbach, M.D.
R. A. Allgood, M.D.
Wilbur M. Scott, M.D.
Judson E. Hair, Jr., M.D.
Assistant Resident Physicians.

Wm. L. Byerly, M.D.
L. K. Walker, M.D.
Assistant Resident Gynecologists.

M. L. Lichtenberg, M.D.
Resident Pathologist.

FACULTY HOSPITAL STAFF.

Attending Physicians.

Prof. C. W. Mitchell, M.D.
Prof. J. C. Hemmeter, M.D.
Prof. E. Zueblin, M.D.
Prof. J. E. Gichner, M.D.
Prof. Harry Adler, M.D.
Prof. J. M. Craighill, M.D.
Prof. C. W. McElfresh, M.D.
Prof. Gordon Wilson, M.D.
Prof. I. J. Spear, M.D.

Attending Surgeons.

Prof. R. Winslow, M.D.
Prof. T. A. Ashby, M.D.
Prof. A. M. Shipley, M.D.
Prof. J. M. Hundley, M.D.
Prof. Hiram Woods, M.D.
Prof. Frank Martin, M.D.
Prof. St. Clair Spruill, M.D.
Prof. John R. Winslow, M.D.

CLINICAL ASSISTANTS FOR 1912-1913.

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The total number of patients treated in the Hospital during the year 1911-12 was 5495.

THE UNIVERSITY TRAINING SCHOOL FOR NURSES.

Under the guidance of the Superintendent, the pupils of this School are instructed in all that pertains to Scientific Nursing. Lectures are also delivered to them by the members of the Faculty of Physic, on Elementary Anatomy, Physiology, Materia Medica, Chemistry, Antiseptics and Hygiene, as well as upon Nursing in special practice. The Nursing in the Hospital is thus conducted on the most approved plan, and its large material is invaluable to the pupils of the School.

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Resident Physicians.

Synopsis of the Report of the Resident Physicians for the Year Ending May, 1, 1912.

Number of Confinements in Hospital	462
Number of Confinements in Out-door Department	946
Total	1408

Average number of cases seen by each student of the graduating class, 40

TEXT BOOKS.

Anatomy.—Piersol.

Surgery.—Da Costa; Wyeth; Brewer; Lexer-Bevan; Binnie's; Operative Surgery; Park.

Chemistry.—Remsen; Witthaus; Holland; Simon.

Obstetrics.—William's Obstetrics; Hirst, American Text-Book of Obstetrics.

Principle and Practice of Medicine.—Anders; Osler; Edwards.

Materia Medica and Therapeutics.—Culbreth's Materia Medica; Wood's Therapeutics (1 vol.); Cushny; Hare.

Physiology.—Halliburton; Hall; Howell; Brubaker; Tigerstedt; Hemmeter's Manual of Practical Physiology.

Diseases of Women.—Ashby; Ashton; Montgomery; Penrose.

Diseases of the Eye.—Fuchs, 1908 Edition; DeSchweinitz; May.

Diseases of the Ear.—Politzer (last edition); Deuch; Bezold.

Diseases of the Throat and Nose.—*Elementary,* J J. Kyle; Gleason; *Advanced.*—Ballenger; B. Kyle; Coakley; Grunewald's Atlas.

Orthopedic Surgery.—Taylor's Notes on Orthopedic Surgery.

Pathology.—Delafield and Prudden; Stengel; Macfarland; Abbott's Bacteriology; Histology—Ferguson; Embryology—McMurrich; Heisler.

Medical Jurisprudence.—Chapman; Draper; Stewart.

Hygiene.—Egbert; Harrington; Parke; Bergey.

Diseases of Nervous System.—Starr; Church and Peterson; Gowers; Dana.

Mental Diseases.—Kraepelin; Defendorf.

Diseases of Children.—Holt.

Disease of Skin.—Stelwagen; Duhring; Hyde.

Medical Dictionary.—Dunglison (last edition); Duane; Gould (third edition); Dorland.

Works on Special Subjects.—Greene's Medical Diagnosis; Cabot's Physical Diagnosis; Hemmeter, Diseases of the Stomach; Da Costa on Diagnosis; Sahli's Diagnosis; Anders and Barton's Diagnosis; Musser's Medical Diagnosis; Von Jacksch, Clinical Diagnosis; Tyson, Practical Examination of Urine; Ogden, Clinical Examination of Urine; Fractures, Scudder; Diseases of the Rectum, Gant; Park's History of Medicine.

ALUMNI ASSOCIATION.
UNIVERSITY OF MARYLAND MEDICAL DEPARTMENT.

All alumni in good standing are eligible to membership.

The membership fee is $1.00 per annum, payable in March.

The annual meetings are held on or about Commencement Day, and an orator will be selected to deliver an address upon these occasions.

The Banquet, which follows the delivery of the oration, is a reunion of old classmates, to which members who have paid their dues in full and candidates who have paid their initiation fee are admitted without extra charge.

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Application for membership should be accompanied with *Initiation Fee of* $1.00 and mailed to the *Corresponding Secretary or Treasurer.*

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Porter P. Vinson, *President.*

This Association since its establishment, seventeen years ago, has steadily grown in numbers and influence and has met a need of College life.

All students of any Department of the University are eligible to membership as actives or associates, which membership includes special privileges in the City Association.

The Association now occupies comfortable rooms in one of the buildings of the University.

Bible and Mission Classes are maintained by the Association throughout the College year, and every effort is exerted to promote Christian character and morality.

A committee of members will be on hand at the opening of the session to welcome new students to the University, and will also be glad to render assistance in

the way of securing comfortable rooms, boarding houses, etc., and to extend any other courtesies possible.

All young men who intend to enter the University are cordially invited to share in the privileges of the Association, and to address the officer named below, who will be glad to furnish any information desired regarding the Association and its work, and to render any assistance in his power, and upon arriving in the city are requested to make themselves known as soon as possible.

PORTER P. VINSON, *President.*
University of Maryland, Baltimore, Md.

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Through the instrumentality of the Alumni Association, an important movement in the direction of securing a *permanent endowment* for the School of Medicine of the University has lately been inaugurated.

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Attention is invited to the "Charles Frick Research Fund," lately established by Messrs. Reverdy Johnson and Wm. F. Frick, for original research.

Contributions, bequests or donations to this fund are solicited from the Alumni and friends of the school. These contributions may be made to the general fund, or for some special object, as building, research, library, hospital, publication, laboratories, gymnasium, scholarship, medal, prize, etc., in which case the wishes of the donor will be strictly regarded.

Checks should be made payable to Charles Markell, Treasurer, 1137 Calvert Building, Baltimore.

FORMS OF DEVISE OR BEQUEST.

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(Here state amount or describe property.)

To Endowment Fund.

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(Here state amount or describe property.)

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St. John's College, Annapolis, Md.

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For information and Annual Catalogue, address The President of St. John's College, Annapolis, Md.

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The regular Winter Session begins on October 1 of each year, and continues until the following May.

The requirements for admission are the same as in all other reputable dental colleges.

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Matriculation and Tuition Fees, per Session, $150.00.

For information and annual catalogue, address T. O. Heatwole, M.D., D.D.S., Dean, Baltimore, Md.

UNIVERSITY OF MARYLAND.

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FORTY-THIRD ANNUAL SESSION.

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UNIVERSITY HOSPITAL

UNIVERSITY OF MARYLAND—GENERAL VIEW

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ONE HUNDRED AND SEVENTH
ANNUAL ANNOUNCEMENT
OF THE

SCHOOL OF MEDICINE

N. E. Corner Lombard and Greene Streets

BALTIMORE, MARYLAND

SESSION 1913 - 1914

BALTIMORE
WILLIAMS & WILKINS COMPANY
1913

MARYLAND GENERAL HOSPITAL

The School of Medicine of the University of Maryland

1913

CALENDAR.

One Hundred and Seventh Annual Session.

1913.

June 1 to September 30.—Daily Clinics at University Hospital.
October 1.—Regular Session begins.
October 13.—Re-examination of Deficient Students and Examination for Advanced Standing.
November 27.—Thanksgiving Day, Holiday.
December 23.—Christmas Recess begins. 6 p.m.

CHRISTMAS RECESS.

1914.

January 5.—Lectures resumed. 9 a.m.
May 11.—Final Examinations begin.
June 1 (about).—Commencement, Annual Meeting of Alumni Association.

DEPARTMENTS

OF THE

UNIVERSITY OF MARYLAND.

THE UNIVERSITY is represented by five departments, each having a distinct Faculty of Instruction.

1st. The College of Liberal Arts at Annapolis, Md. St. John's College, Annapolis Md., founded in 1696, has by affiliation become the Department of Arts and Sciences. The curriculum leads to the degree of Bachelor, or Master of Arts or Sciences.

2d. The School of Medicine in Baltimore, Md. This school was established in Baltimore, Md., in 1807, and offers a high-grade course in medicine, extending over a period of four years, and leading to the degree of Doctor of Medicine.

3d. The School of Law in Baltimore, Md. This school, founded in 1812 and reorganized in 1869, is designed by means of a course of study covering three years to qualify its students for the degree of Bachelor of Laws and for an intelligent practice of the Law.

4th. The Department of Dentistry was founded in 1882, and is designed to teach the art of dentistry as an integral part of the School of Medicine. The course of study leading to the degree of Doctor of Dental Surgery covers a period of three years.

5th. The Department of Pharmacy was established in 1840 as the Maryland College of Pharmacy, and affiliated with the School of Medicine in 1904. The course of study covers two years, and leads to the degree of Doctor of Pharmacy.

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Wilbur P. Stubbs, M.D., Instructor in Medicine.
F. S. Lynn, M.D., Instructor in Surgery.
F. J. Kirby, M.D., Instructor in Surgery.
Henry Chandlee, M.D., Instructor in Radiography.
R. G. Willse, M.D., Instructor in Gynecology.
W. K. White, M.D., Instructor in Gynecology.
R. L. Mitchell, M.D., Instructor in Gynecology.
Fred Rankin, M.D., Instructor in Surgery.
J. M. Delevett, M.D., Instructor in Obstetrics.
C. Irwin Hill, A.B., M.D., Instructor in Psychiatry.
Milton P. Hill, M.D., Instructor in Neurology.
H. S. Gorsuch, M.D., Instructor in Obstetrics.
John G. Jeffers, M.D., Instructor in Diseases of the Rectum and Colon.
S. H. Streett, S.B., M.D., Instructor in Gynecology.
Christian Deetjen, M.D., Instructor in Radiography.
A. J. Underhill, M.D., Instructor in Genito-Urinary Diseases.
S. Griffith Davis, M.D., Instructor in Anaesthesia.
G. M. Settle, M.D., Instructor in Medicine.
R. C. Metzel, M.D., Assistant in Pathology and Bacteriology.
Leo Karlinsky, M.D., Assistant in Pathology and Bacteriology.
H. W. Brent, M.D., Assistant in Pathology and Bacteriology.

W. G. Queen, M.D., Assistant in Histology and Embryology.
G. W. Hemmeter, M.D., Assistant Demonstrator of Physiology.
H. U. Todd, M.D., Assistant in Clinical Pathology.
R. G. Willse, M.D., Assistant in Histology and Embryology.
F. W. Hoblemann, M.D., Assistant in Genito-Urinary Diseases.
J. W. Sanderson, M.D., Assistant in Medical Topography.
J. M. Fenton, M.D., Assistant in Gynecology.
H. Boyd Wylie, M.D., Assistant in Clinical Pathology and Pharmacology.
S. A. Bain, M.D., Assistant in Dermatology.
George Murgatroyd, M.D., Assistant in Diseases of the Throat and Nose.
Horace W. Nicholson, M.D., Assistant in Diseases of the Throat and Nose.
Maurice Lazenby, A.B., M.D., Assistant in Gynecology.
H. J. Walton, M.D., Assistant in Radiography.
W. Saulsbury Niblett, M.D., Assistant in Orthopedic Surgery.
W. H. Daniels, M.D., Assistant in Orthopedic Surgery.
H. W. Nicholson, M.D., Assistant in Diseases of the Throat and Nose.
George E. Bennett, M.D., Assistant in Orthopedic Surgery.
A. L. Fehsenfeld, M.D., Assistant in Neurology.
Harry A. Bishop, M.D., Assistant in Neurology.
Edward A. Looper, M.D., Assistant in Ophthalmology and Otology.

UNIVERSITY HOSPITAL STAFF.

Attending Surgeons.

Prof. Randolph Winslow — Prof. Frank Martin
Prof. Arthur M. Shipley — Prof. J. D. Blake
Prof. Ridgely B. Warfield — Prof. St. Clair Spruill
Clin. Prof. Nathan Winslow

Attending Physicians.

Prof. Charles W. Mitchell — Prof. Harry Adler
Prof. John C. Hemmeter — Prof. Charles O'Donovan
Prof. David Streett — Prof. J. M. Craighill
Prof. Ernest Zueblin — Prof. Jos. E. Gichner
Prof. Gordon Wilson — Prof. Charles W. McElfresh

Attending Gynecologists.

Prof. Thomas A. Ashby — Prof. W. B. Perry
Prof. J. Mason Hundley

Attending Obstetricians.

Prof. L. E. Neale — Prof. J. M. H. Rowland

Attending Ophthalmologists.

Prof. Hiram Woods — Prof. J. Frank Crouch

Attending Laryngologists.

Prof. Samuel K. Merrick — Prof. John R. Winslow
Clin. Prof. R. H. Johnson

Attending Proctologist.

Prof. G. Milton Linthicum.

Attending Orthopedist.

Prof. R. Tunstall Taylor.

Attending Neurologist.

Prof. Irving J. Spear.

Attending Genito-Urinary Surgeons.

Prof. Gideon Timberlake — Clin. Prof. Page Edmunds

Attending Pathologists.

Prof. Jose L. Hirsh — Associate, H. J. Maldeis

Attending Radiologists.

Henry Chandlee, M.D. — H. J. Walton, M.D.

RESIDENT STAFF.

William J. Coleman, M.D., *Medical Superintendent.*

Resident Surgeons.

C. W. Rauschenbach, M.D.
Wilbur M. Scott, M.D.
Robert E. Abell, M.D.
H. A. Codington, M.D.
Charles R. Edwards, M.D.
Elmer Newcomer, M.D.

Resident Physicians.

M. L. Lichtenberg, M.D.
W. F. Gemmill, M.D.
Leonard Hays, M.D.
C. D. Whelchel, M.D.

Resident Gynecologists.

S. Miller, M.D.
Grover A. Stem, M.D.

Maternity Department.

H. M. Freeman, M.D., *Chief Resident Obstetrician.*

Resident Obstetricians.

T. B. Woods, M.D.
Edgar E. Travers, M.D.

Resident Pathologist.

N. H. Toulson, M.D.

CLINICAL ASSISTANTS FOR 1913–1914.

Charles W. Armstrong.....*North Carolina*
Charles C. Ayers.....*Maryland*
Antonio Balart.....*Cuba*
Lowrie W. Blake.....*South Carolina*
Clark S. Bogart.....*Pennsylvania*
Theron R. Bradley.....*New York*
William D. R. Brandon.....*North Carolina*
Horace W. Byers.....*North Carolina*
John C. Caldwell.....*South Carolina*
Hugh E. Clark.....*Virginia*
Alexander S. Coleman.....*Georgia*
LeCompte Cook.....*Maryland*
George B. Crist.....*Maryland*
Theodore McC. Davis.....*South Carolina*
Walter L. Denny, Jr.....*Maryland*
John S. Feney.....*Maryland*
Bruce H. Guistwhite.....*Pennsylvania*
Charles C. Habliston, Phar.D.....*Maryland*
Cecil S. Hassell.....*North Carolina*
Clair C. Henderson.....*North Carolina*
Claud B. Hicks, A.B.....*North Carolina*
Clarence C. Hoke, A.B.....*South Carolina*
Raymond L. Johnson.....*Florida*
James W. Katzenberger, A.B.....*Maryland*
Louis M. Limbaugh.....*Florida*
Samuel G. Love.....*South Carolina*
John F. Lutz.....*Maryland*
George B. Lynch.....*North Carolina*
Charles L. Magruder.....*Maryland*
Challice H. Metcalfe.....*Maryland*
Alfred Mordecai.....*North Carolina*
Joseph F. Munnerlyn, A.B...*South Carolina*
Richard B. Norment, Jr.....*Maryland*
Walter L. Richards.....*Maryland*
M. Duke Smith.....*Maryland*
William M. Stahl.....*Connecticut*
Harry Stein.....*Maryland*
George L. Timanus.....*Maryland*
Porter P. Vinson, B.S., A.M...*South Carolina*
Jesse R. Wanner.....*Maryland*
Frank M. Wilson.....*Maryland*
Frank W. Wilson.....*North Carolina*

The total number of patients treated in the Hospital during the year 1912-13 was 6628.

MARYLAND GENERAL HOSPITAL STAFF.

Rev. John Helps Bickford, D.D., *Superintendent.*

Visiting Staff.

Surgeons.

Prof. Randolph Winslow
Prof. Arthur M. Shipley
Prof. Ridgely B. Warfield
Prof. Frank Martin
Prof. John D. Blake
Prof. St. Clair Spruill

Associates.

Nathan Winslow, M.D.
J. C. Lumpkin, M.D.
H. C. Blake, M.D.
J. Frank Kirby, M.D.
A. G. Barrett, M.D.

Physicians.

Prof. Charles W. Mitchell
Prof. John C. Hemmeter
Prof. David Streett
Prof. Ernest Zueblin
Prof. Gordon Wilson
Prof. Harry Adler
Prof. A. C. Pole
Prof. Charles O'Donovan
Prof. J. M. Craighill
Prof. Jos. E. Gichner
Prof. Chas. W. McElfresh

Associates.

Thos. W. Keown, A.B., M.D.
J. Somerville Fischer, A.B., M.D.
E. B. Freeman, S.B., M.D.
Wm. T. Riley, M.D.
J. E. Poulton, M.D.

Neurologist.

Prof. Charles G. Hill.

Associates.

J. Clement Clark, M.D.
J. Percy Wade, M.D.
W. P. E. Wyse, M.D.

Laryngologists.

Prof. S. K. Merrick
Prof. John R. Winslow

Obstetricians.

Prof. L. E. Neale
Prof. J. M. H. Rowland

Gynecologists.

Prof. Thomas A. Ashby
Prof. W. B. Perry
Prof. J. Mason Hundley

Associates.

E. H. Hayward, M.D. S. H. Streett, S.B., M.D.
Maurice Lazenby, A.B., M.D.

Ophthalmologists.

Prof. Hiram Woods Prof. J. Frank Crouch

Associates.

H. E. Peterman, M.D. Clyde A. Clapp, M.D.

Proctologist.

Prof. G. Milton Linthicum.

Associate.

John G. Jeffers, M.D.

Dermatologist.

E. R. Strobel, A.B., M.D.

Urologists.

Prof. Gideon Timberlake W. B. Wolf, M.D.

Orthopedic Surgeon.

Sidney M. Cone, A.B., M.D.

Radiologist.

Christian Deetjen, M.D.

Chief of House Staff.

L. K. Walker, M.D.

Resident Staff.

I. M. Zimmerman, M.D. B. D. Smith, M.D.
G. A. Sillman, M.D. E. G. Marr, M.D.
H. W. Gibbs, M.D. R. E. Thomas, M.D.

THE JAMES LAWRENCE KERNAN HOSPITAL AND INDUSTRIAL SCHOOL OF MARYLAND FOR CRIPPLED CHILDREN.

R. Tunstall Taylor, B.A., M.D., *Surgeon-in-Chief.*
W. Saulsbury Niblett, M.D., *Resident Surgeon.*
J. Edward Hubbard, M.D., *Assistant Surgeon.*
W. H. Daniels, M.D., *Dispensary Surgeon.*
Miss Mary E. Thomas, R.N., *Head Nurse.*
Miss Ada B. Mosby, *Principal of School.*

Plastic Surgeon.

John Staige Davis, M.D.

Pediatrist.

Richard A. Urquhart, M.D.

Attending Physician.

A. D. Atkinson, M.D.

Attending Surgeon.

Frank Martin, M.D.

Attending Laryngologist.

John R. Winslow, M.D.

Attending Urologist.

Gideon Timberlake, M.D.

Attending Laryngologist.

Richard H. Johnson, M.D.

Attending Oculist and Aurist.

William Tarum, M.D.

Consulting Surgeons.

L. McLane Tiffany, M.D.
Randolph Winslow, M.D.
W. S. Halsted, M.D.
J. M. T. Finney, M.D.

Consulting Physicians.

Thomas R. Brown, M.D.
Thomas B. Futcher, M.D.
Llewellys F. Barker, M.D.
Charles W. Mitchell, M.D.
William S. Thayer, M.D.

Consulting Oculist.

Hiram Woods, M.D.

Consulting Laryngologist.

John N. Mackenzie, M.D.

STAFF OF THE CITY HOSPITALS AT BAYVIEW.

Thomas R. Boggs, S.B., M.D., *Physician-in-Chief.*

Arthur M. Shipley, M.D., *Surgeon-in-Chief.*

Gordon Wilson, M.D., *Physician-in-Chief to the Municipal Hospital for Tuberculosis.*

Milton C. Winternitz, A.B., M.D., *Pathologist.*

Consulting Staff.

Ophthalmologist.

James J. Mills, M.D.

Laryngologist.

Frank Dyer Sanger, M.D.

Otologist.

William Tarun, M.D.

Neurologist.

Henry M. Thomas, M.D.

Gynecologists.

Edward H. Richardson, M.D. Hugh W. Brent, M.D.

Urologists.

Gideon M. Timberlake, M.D. John T. Geraghty, M.D.

Dermatologist.

E. A. Strobel, M.D.

Pediatrician.

John Ruhräh, M.D.

ST. VINCENT'S INFANT ASYLUM.

Visiting Physicians.

Charles O'Donovan, A.M., M.D.
Charles W. Mitchell, A.M., M.D.
Eugene H. Hayward, M.D.
P. F. Martin, M.D.
J. E. Poulton, M.D.
G. C. Lockard, M.D.
J. K. B. E. Seegar, M.D.

Visiting Surgeons.

Frank Martin, M.D.
John D. Blake, M.D.
R. B. Warfield, M.D.

Visiting Oculists and Aurists.

J. Frank Crouch, M.D.
Clyde A. Clapp, M.D.

Visiting Orthopedic Surgeons.

Sydney M. Cone, A.M., M.D.
Compton Riely, M.D.

Visiting Pathologists.

Sydney M. Cone, A.M., M.D.
G. C. Lockard, M.D.
H. R. Spencer, M.D.

Resident Interne.

H. W. Pinto.

MARYLAND LYING-IN HOSPITAL.

Prof. J. M. H. Rowland, M.D., *Obstetrician.*

Associates.

J. K. B. E. Seegar. M.D.
J. M. Delevett, M.D.
E. A. Smith, M.D.
H. S. Gorsuch, M.D.

Resident Obstetrician.

D. L. Farber, M.D.

UNIVERSITY HOSPITAL DISPENSARY STAFF.

John Houff, M.D., *Dispensary Physician.*

Ernest Zueblin, M.D., *Professor of Medicine.*
J. M. Craighill, M.D., J. F. O'Mara, M.D., *Chiefs of Clinic to the Professor of Medicine.*
S. R. Clark, M.D., L. H. Douglass, M.D., *Assistant Chiefs of Clinic.*
Wm. M. Byerly, M.D., Wm. Michel, M.D., W. G. Clopton, M.D., F. K. Nicholls, M.D., E. H. Perkins, M.D., *Assistants.*

John G. Jay, M.D., *Chief of Clinic to the Professor of Surgery.*
R. P. Bay, M.D., Frank S. Lynn, M.D., *Assistant Chiefs of Clinic.*
Fred Rankin, M.D., E. L. Perkins, M.D., Thos. L. Phillips, M.D., *Assistants.*

G. C. Lockard, M.D., H. C. Hyde, M.D., *Chiefs of Clinic to the Professor of Pediatrics.*
R. C. Harley, M.D., C. L. Schmidt. M.D., L. C. Douglas, M.D., Wm. Michel, M.D., *Assistants.*

H. W. Brent, M.D., W. K. White, M.D., R. L. Mitchell, M.D., R. G. Willse, M.D., *Chiefs of Clinic to the Professor of Diseases of Women.*

Wm. Tarun, M.D., *Chief of Clinic to the Professor of Eye and Ear Diseases.*
E. A. Looper, M.D., W. G. Queen, M.D., *Assistants.*

J. R. Abercrombie, M.D., *Chief of Clinic to the Professor of Dermatology.*
H. M. Robinson, M.D., Assistant.

A. H. Carroll, M.D., *Chief of Clinic to the Professor of Diseases of the Stomach.*
Robert A. Warner, M.D., J. Harry Ulrich, M.D., *Assistants.*

R. H. Johnston, A.B., M.D., *Clinical Professor of Diseases of the Throat and Nose.*
H. C. Davis, M.D., *Chief of Clinic to the Professor of Diseases of the Throat and Nose.*
H. M. Robinson, M.D., *Assistant.*

Compton Riely, M.D., Sidney M. Cone, A.B., M.D., *Chiefs of Clinic to the Professor of Orthopedic Surgery.*
Walter S. Niblett, M.D., *Assistant.*

Gideon Timberlake, M.D., *Professor of Genito-Urinary Diseases.*
F. W. Hoblemann, M.D., A. J. Underhill, M.D., *Chiefs of Clinic.*
J. H. Von Dreele, M.D., Wm. L. Byerly, M.D., H. A. Rutledge, M.D., *Assistants.*

Irving J. Spear, M.D., *Professor of Neurology.*
George M. Settle, M.D., *Chief of Clinic.*
A. L. Fehsenfeld, M.D., Harry A. Bishop, M.D., *Assistants.*

J. D. Reeder, M.D., *Chief of Clinic of Diseases of Rectum and Colon.*

John E. O'Neill, M.D., *Chief of Pulmonary Tuberculosis Clinic.*

Mr. A. D. Johnson, *Secretary to the Dean and Superintendent of College Buildings*

MARYLAND GENERAL HOSPITAL DISPENSARY STAFF

ROBERT L. BLAKE, M.D., *Dispensary Chief.*

Medicine.

E. B. FREEMAN, M.D.

Surgery.

E. H. HUTCHINS, M.D.

Nose, Throat and Chest.

GEO. W. MURGATROYD, M.D. H. M. NICHOLSON, M.D.

Diseases of Children.

J. E. POULTON, M.D.

Dermatology.

EDGAR R. STROBEL, M.D. SAMUEL A. BAIN, M.D.

Gynecology.

SIDNEY H. STREETT, M.D. J. M. FENTON, M.D.
EUGENE HAYWARD, M.D. MAURICE LAZENBY, M.D.

Orthopedic Surgery.

SIDNEY M. CONE, M.D.

Diseases of Eye and Ear.

CLYDE A. CLAPP, M.D. R. D. WEST, M.D.

Genito-Urinary Diseases.

W. B. WOLF, M.D. F. W. HOBLEMAN, M.D.

Proctology.

JOHN G. JEFFERS, M.D.

MATRICULATES FOR 1912-1913.

POST GRADUATES AND SPECIAL STUDENTS.

Name	State
Lang W. Anderson	*South Carolina*
C. S. Bates, M.D.	*West Virginia*
Nathan B. Bordensky, M.D.	*Maryland*
Thos. Morris Chaney, M.D.	*Maryland*
Joseph Hamilton Crampton, M.D.	*Washington*
Emilio Cumpiano Lucari	*Porto Rico*
Charles Singleton Dodd, B.S., M.D.	*Virginia*
Frank O. Foard	*North Carolina*
John Bradford Grigg, M.D.	*North Carolina*
J. Knox Insley, M.D.	*Maryland*
Samuel W. Meech	*Maryland*
James Anderson Mitchell	*North Carolina*
James B. Parramore, M.D.	*Florida*
Albert Luther Sibrel, M.D.	*Virginia*
Eladio Thaureaux	*Cuba*
S. Wallenstein, M.D.	*Maryland*

FOURTH YEAR CLASS.

Alexander, Samuel Allen	*North Carolina*
Anderson, John, Jr.	*New Jersey*
Bean, Philip Jenifer	*Maryland*
Blalock, B. Karl	*North Carolina*
Breeding, Earle Griffith, B.A.	*Maryland*
Buch, J. M., A.B.	*Cuba*
Butler, Humphrey	*Brazil, S. A.*
Callahan, Francis Fowler	*Maryland*
Cavanaugh, Leo M.	*Maryland*
Cobb, Ross B.	*Pennsylvania*
Crumrine, Leslie Bane	*Pennsylvania*
Craven, Franklin Clyde	*North Carolina*
Detrick, Frederick Louis	*Virginia*
Devine, Frederick R.	*Rhode Island*
Disbrow, George Ward	*New Jersey*
Di Stefano, Dominick	*Maryland*
Edwards, Charles Reid	*Maryland*
Edwards, Vertie Edward	*North Carolina*
English, Ernest Lafayette	*North Carolina*
Fajardo, Idalberto H.	*Cuba*
Gavlas, Frank E.	*Pennsylvania*
Gemmill, W. F.	*Pennsylvania*
Goldsmith, Harry	*Maryland*
Gould, Nathaniel Jay	*Virginia*
Graves, Jesse C.	*Arkansas*
Hays, Leonard	*Maryland*
Hayworth, Claudius Abijah	*North Carolina*

Name	State
Heath, Jacob Mott, Jr.	*New York*
Heid, Edward F.	*Pennsylvania*
Hemphill, Clyde Hoke	*North Carolina*
Holmes, Everett James	*Maine*
Judd, Clarence Wrigley	*Pennsylvania*
Lebret, Gerard Henry	*New Jersey*
Lecates, Howard E.	*Maryland*
Levin, Herman Harry	*Connecticut*
McDaniel, Frederick Leonard	*Alabama*
McDuffie, Charles George	*Maryland*
Martin, William Tillman	*South Carolina*
Murphy, Franklin Dashiell	*New Jersey*
Neistadt, S. C.	*Maryland*
Newcomer, Elmer	*Maryland*
Nitsch, Norbert Charles, A.B.	*Maryland*
Ostendorf, Walter A.	*Maryland*
Pelusio, August N.	*New Jersey*
Peters, Charles M., D.D.S.	*New Jersey*
Perez, Hernan M., A.B.	*Cuba*
Poisal, John Wilson, Jr.	*Maryland*
Pratt, Thomas Ruffin, Jr.	*North Carolina*
Raysor, Harry C.	*South Carolina*
Schott, Edward H.	*Connecticut*
Scruggs, William Henry, Jr.	*Georgia*
Sellers, Robert R.	*Ohio*
Shuler, G. Clyde	*Virginia*
Sirak, William W.	*Pennsylvania*
Slusher, Hamilton J.	*Virginia*
Smith, Manly Coke	*South Carolina*
Sparck, Joseph	*Maryland*
Stoneham, H. Graham	*Virginia*
Toulson, W. Houston, A.B.	*Maryland*
Travers, Edgar E.	*Maryland*
Troxler, Moody R.	*North Carolina*
Tullidge, E. Kilbourne	*Pennsylvania*
Wilson, Oscar Britton	*South Carolina*
Wells, Grady Brice	*South Carolina*
Whelchel, Cleveland Davis	*Georgia*
Woods, Thomson Butler	*South Carolina*
Wrightson, William O.	*South Carolina*

THIRD YEAR CLASS.

Armstrong, Charles Wallace	*North Carolina*
Ayres, Charles C.	*Maryland*
Balart, Antonio	*Cuba*
Barber, Yates M.	*Virginia*
Beavers, John T.	*North Carolina*
Bishop, George William, A.B.	*Maryland*
Blake, Lowrie Wilson	*South Carolina*
Bogart, C. S.	*Pennsylvania*
Bradley, T. R., Ph.G.	*New York*
Brandon, Wm. D. R.	*North Carolina*
Bridgers, Harvey C.	*North Carolina*
Brogden, James Chester, A.B.	*South Carolina*
Brotman, Morton W.	*New Jersey*
Byers, Horace Wellington	*North Carolina*
Caldwell, John C.	*South Carolina*
Casler, Frank G.	*West Virginia*

Name	State
Clark, Haynsworth D	*Florida*
Clark, Hugh E	*Virginia*
Clinton, Roland S	*North Carolina*
Coleman, A. S	*Georgia*
Condon, Vernon Herbert	*Maryland*
Cook, LeCompte	*Maryland*
Council, Wilford A. Hall	*Maryland*
Cremin, Lawrence Dennis	*New York*
Crist, George Bruce	*Maryland*
Davis, Theodore McCann	*South Carolina*
Denny, Walter L	*Maryland*
Dodson, James Furman	*South Carolina*
Dovell, Chauncey Elmo	*Virginia*
Echeverria, José R	*Cuba*
Ellis, Joseph J	*Maryland*
English, John Mathews Francis	*Rhode Island*
Esslinger, Richard I., Phar.D	*Maryland*
Fenby, John Smith	*Maryland*
Flickinger, William	*Pennsylvania*
Floyd, F. F	*North Carolina*
Grant, Harry C	*North Carolina*
Guistwhite, Bruce Hetrick	*Pennsylvania*
Habliston, Charles Carroll, Phar.D	*Maryland*
Hassell, Cecil S	*North Carolina*
Henderson, Clair Crouse	*North Carolina*
Hicks, Claud B., A.B	*North Carolina*
Hoke, Clarence C., A.B., A.M	*Maryland*
Holstein, Aaron Louis	*New Jersey*
Horger, Eugene Leroy, A.B	*South Carolina*
Johnson, Raymond Lovejoy, Ph.G	*Florida*
Katzenberger, James Wesley, A.B	*Missouri*
Levin, Morris Benjamin	*Maryland*
Limbaugh, Louie Mixson	*Florida*
Lipnick, J. Alexander	*Maryland*
Love, Samuel Glenn	*South Carolina*
Lutz, John Francis, A.B	*Maryland*
Lynch, George Bruce	*North Carolina*
McFadden Albert David	*Alabama*
McKinney, Harold Napoleon	*North Carolina*
Magruder, Charles L	*Maryland*
Metcalfe, Challice Hagdon	*Maryland*
Mordecai, Alfred	*North Carolina*
Munnerlyn, Joseph Francis, A.B	*South Carolina*
Nance, Fuller, Ph.G	*Maryland*
Norment, Richard Baxter, Jr	*Maryland*
Ostro, Marcus	*Delaware*
Portuondo, Albert L	*Cuba*
Pushkin, Benjamin	*Maryland*
Ray, Hickman	*North Carolina*
Rice, William Frederick	*North Carolina*
Richards, Walter L	*Maryland*
Sarinas, Faustino, B.A	*Philippine Islands*
Schapiro, Abraham	*Pennsylvania*
Schnuck, Harry	*Maryland*
Smith, Marcus Duke	*Maryland*
Spoore, Compton	*New York*
Stahl, William Martin	*Connecticut*
Stapleton, W. Pierce	*New Jersey*
Stein, Harry	*Maryland*
Stephens, Charles M	*Pennsylvania*

Name	State
Stewart, Emmet James	*Maryland*
Timanus, George Loutrell	*Maryland*
Tolleson, Clarence C	*South Carolina*
Van Poole, Carl M	*North Carolina*
Vinson, Porter Paisley, B.S., A.M	*North Carolina*
Walsh, William S	*Rhode Island*
Wanner, Jesse R	*Maryland*
Warner, Howard Hoge	*Maryland*
Warner, Theodore, Jr	*Maryland*
Whiteside, W. Carl	*South Carolina*
Wilkinson, Vernon Stevens	*Pennsylvania*
Williams, David T	*Virginia*
Williams, Lester L	*North Carolina*
Wilson, Frank M	*Maryland*
Wilson, Frank W	*North Carolina*
de Yoanna, Alfred Aurelius	*New York*
de Yoanna, Saverio Aurelio	*New York*

SECOND YEAR CLASS.

Anderson, Franklin B	*Maryland*
Arnold, J. Bruce	*Maryland*
Benard, Alberto, A.B	*Nicaragua*
Bennett, J. A	*Virginia*
Berlin, Samuel	*Maryland*
Birely, Lewis Adam	*Maryland*
Blackmer, Jocelyn William	*North Carolina*
Braverman, Abraham	*Maryland*
Buie, Louis Arthur, B.A	*South Carolina*
Cohn, Charles A	*Pennsylvania*
Crook, Charles S	*Maryland*
Diener, Louis	*Virginia*
Demarco, Vincent	*Mississippi*
Dorsey, George Hamilton	*Maryland*
Eby, John Cyril	*Maryland*
Egan, Michael Joseph, Jr	*Georgia*
Etzler, Dorsey Paul	*Maryland*
Foard, Frederick T., Jr	*North Carolina*
Fritz, Gustave A	*Maryland*
Gilbert, Harry Jesse	*New Jersey*
Goldman, Harry	*Maryland*
Gordy, Lyle Leland	*Maryland*
Hendrix, Nevins Byford, A.B., A.M	*South Carolina*
Hill, Robert B., B.S., M.A	*North Carolina*
Horn, John W., Jr	*Pennsylvania*
Hundley, Frank S	*Maryland*
Jenkins, William Herndon	*Virginia*
Johnson, Robert W	*South Carolina*
Johnson, William Robert	*South Carolina*
Justice, J. I	*West Virginia*
Kean, Thomas S., Jr	*Maryland*
Khuri, Assad A	*Syria*
Krantz, Herman Warner	*Connecticut*
Laplanche, Ernest R	*Maryland*
Lewis, LeRoy	*South Carolina*
Long, Miles Thomson	*North Carolina*
Lowry, John, A.B	*North Carolina*
McCabe, J. Levering	*North Carolina*
Mellor, Royal B	*Maryland*
Merkel, Henry Anton	*Maryland*

Name	State
Moffett, Daniel Bruce, B.A.	Alabama
Patrick, George Riddle	North Carolina
Penabaz, Fernando	Cuba
Penabaz, José A. Fernandez, A.B.	Cuba
Pinkerton, Frank Coulson	Virginia
Porter, Lyman R.	Maryland
De Quevedo, Alberto Garcia	Porto Rico
Radlow, James B.	New York
Raskin, Moses	Georgia
Rice, Geo. W.	Maryland
Robinson, John Daniel, A.B.	North Carolina
Ross, George Perry	Maryland
Rush, P. L.	Maryland
Schreiber, Louis Walter	Maryland
Scimeca, Salvatore	New York
Shafer, Ralph A.	Maryland
Shannon, Samuel Dennison	Maryland
Sloan, William Henry	North Carolina
Stern, Max E.	New York
Stringer, John Thomas	Virginia
Tidmarsh, Henry Walter	South Carolina
Tonolla, E. Howard	Maryland
Williams, William Frederick, Jr.	Maryland
Wilson, Bascom L.	North Carolina
Woodland, John C., Phar.D.	Maryland
Zeller, Eugene Joshua Karl	Maryland
Ziegler, Mark Victor, A.B.	Maryland

FIRST YEAR CLASS.

Arnest, Richard Turberville	Virginia
Baldwin, Anton, Jr.	Maryland
Beam, Allen Wroth, Jr.	Maryland
Bennett, Percival Robert	North Carolina
Benson, Edward H.	Maryland
Bickley, William Ernest, A.B.	South Carolina
Bishop, Everett Lassiter	Georgia
Bowden, George Aban	Maryland
Brumbaugh, Benjamin Bruce, Phar.D.	Maryland
Burton, Charles Hammon	Maryland
Carbo, Pablo Alegre	Cuba
Catlin, William G.	Maryland
Chandler, James Jennings, A.B.	South Carolina
Cudd, James Eric, A.B.	South Carolina
Davidson, William Brown	Rhode Island
Day, Samuel Thomas, Jr.	New Jersey
Evans, John E., A.B.	South Carolina
Feingloss, Israel	Maryland
Ferry, Bernard J.	Pennsylvania
Folk, Robert Hamilton, A.B.	South Carolina
Grant, David Swain	North Carolina
Growt, Bowers Hewitt	Louisiana
Gwynn, George Humphrey, Jr.	Florida
Gwynn, Humphrey Wilson	Florida
Hammer, Howell I. Ph.G.	Maryland
Hawn, Albert Gaither	North Carolina
Hennessy, Jay Tyrrell	New York
Hutton, Daniel C.	North Carolina
Jacobson, Bernard Samuel	Maryland
Jenkins, Ralph Hathaway	Maryland

Name	State
Kennard, Harold Claire	*Maryland*
King, Merle William, A.B	*New York*
Lazenby, Allen Deming	*Maryland*
Leiva, Carlos E	*Cuba*
Lockridge, Raymond	*West Virginia*
Long, Clark Samuel	*Pennsylvania*
McIntyre, Charles Frederick	*North Carolina*
Marino, Frank Christian	*Maryland*
Mason, Frank Ebaugh	*Maryland*
Michael, Marion Harlan	*Maryland*
Mitchell, Edward Kellers	*South Carolina*
Mitchell, Henry Stanley	*Maryland*
Mitchell, James Alfred	*Maryland*
Mitchell, R. W	*Delaware*
Nicklas, John Michael	*Maryland*
O'Brien, J. Gerald	*Maryland*
Payaval, Juan L., A.B	*Philippine Islands*
Power, Maurice J	*Massachusetts*
Rappeport, Jacob Max	*Maryland*
Reed, Joseph Corrington, Jr	*Maryland*
Reier, Adam William	*Maryland*
Reifschneider, Charles Adam	*Maryland*
Rever, William B	*Maryland*
Rigby, Cecil, B.S	*South Carolina*
Roberts, Joseph John	*Connecticut*
Rogers, Herbert W	*Virginia*
Santos, Angel Maria, Lit.B	*Cuba*
Satterfield, Claude M	*Maryland*
Short, Noah	*West Virginia*
Sindler, Joseph	*Maryland*
Stein, Harry Milton	*New Jersey*
Thomas, Edward Philip	*Maryland*
Toula, Jaroslav Jerry, Phar.D	*Maryland*
Voss, Norwood W., A.B	*Maryland*
Whittle, William Oscar	*Virginia*
Wilkinson, George R., B.S	*South Carolina*
Yaffe, Benjamin Meyer	*Maryland*

GRADUATES MAY 31, 1913.

Samuel Allen Alexander.....*North Carolina*
Philip Jenifer Bean.....*Maryland*
Burman Karl Blalock.....*North Carolina*
Earle Griffith Breeding.....*Maryland*
Jesus Maria Buch Portuondo.....*Cuba*
Humphrey William Butler.....*Brazil*
Francis Fowler Callahan.....*Maryland*
Leo Martin Cavanaugh.....*Maryland*
Ross B. Cobb.....*Pennsylvania*
Franklin Clyde Craven.....*North Carolina*
Fredrick Louis Detrick.....*Maryland*
Frederick R. Devine.....*Rhode Island*
George Ward Disbrow.....*New Jersey*
Charles Reid Edwards.....*Maryland*
Vertie Edward Edwards.....*North Carolina*
Idalberto H. Fajardo Infante.....*Cuba*
W. Frank Gemmill.....*Pennsylvania*
Harry Goldsmith.....*Maryland*
Nathaniel Jay Gould.....*Virginia*
Leonard Hays.....*Maryland*
Claudius Abijah Hayworth...*North Carolina*
Edward Francis Heid.....*Pennsylvania*
Clyde Hoke Hemphill.....*North Carolina*
Clarence Wrigley Judd.....*Pennsylvania*
Gerard Henry Lebret.....*New Jersey*
Howard Edward Lecates.....*Maryland*
Herman Harry Levin.....*Connecticut*
Frederick Leonard McDaniel.....*Alabama*
William Tillman Martin.....*Maryland*
Franklin Dashiell Murphy.....*Maryland*
Simon Chas. Neistadt.....*Maryland*
Elmer Newcomer.....*Maryland*
Norbert Charles Nitsch.....*Maryland*
Walter Anthony Ostendorf.....*Maryland*
Hernan Marino Perez y Quintana...*Cuba*
Thomas Ruffin Pratt, Jr.....*North Carolina*
Harry C. Raysor.....*South Carolina*
William Henry Scruggs, Jr.....*Georgia*
Gerald Clyde Shuler.....*Virginia*
William W. Sirak.....*Pennsylvania*
Hamilton J. Slusher.....*Virginia*
Manly Coke Smith.....*South Carolina*
Joseph Sparck.....*Maryland*
Hartwell Graham Stoneham.....*Virginia*
William Houston Toulson.....*Maryland*
Edgar E. Travers.....*Maryland*
Cleveland D. Whelchel.....*Georgia*
T. Butler Woods.....*South Carolina*
William O. Wrightson.....*South Carolina*

PRIZEMEN.

University Prize—*Gold Medal*.....Jesus Maria Buch Portuondo

Certificates of Honor

Hamilton J. Slusher
Charles Reid Edwards
Claudius Abijah Hayworth
W. Frank Gemmill
Nathaniel Jay Gould

GENERAL SUMMARY OF STUDENTS ATTENDING THE UNIVERSITY OF MARYLAND, SESSION OF 1912-1913.

Department of Arts and Sciences (St. John's College)	161
School of Medicine	309
Department of Law	173
Dental Department	167
Department of Pharmacy	97
Training School for Nurses	85
Total	992

MATRICULATES, BALTIMORE MEDICAL COLLEGE, 1912-1913.

The following students were in attendance in the Baltimore Medical College prior to its merging with the University of Maryland, June 1, 1913.

FIRST YEAR CLASS.

Name	State
Alzarez, José A.	*Porto Rico*
Bolen, Henry L.	*Massachusetts*
Brooke, Chas. R.	*Maryland*
Brown, Thos. E.	*Pennsylvania*
Brett, Gustave	*New York*
Baez, Santiago	*Porto Rico*
Brackett, Leon G.	*Massachusetts*
Carasquilla, Honorio	*Porto Rico*
Cole, Lewis Furbeck	*New York*
Cavello, Michael E.	*New York*
Campo, Tony R.	*New York*
Dillon, William J.	*Massachusetts*
DeVere, Gerard	*Dutch West Indies*
Davis, P. D.	*New York*
Eyestone, Fred. L.	*Ohio*
Glatzau, Lewis W.	*Pennsylvania*
Hannigan, S. Roscoe	*Pennsylvania*
Herrington, D. J.	*North Carolina*
Knapp, Henry Lee	*New Hampshire*
Lovely, Bernard Henry	*New Hampshire*
Lay, Juan A.	*Cuba*
Lanadrid, F. S.	*Cuba*
Light, Ellsworth Emmett	*Massachusetts*
Linnehan, George M.	*Massachusetts*
Miller, John Edward	*Vermont*
Melroy, Raymond S.	*Wisconsin*
Mayo, W. B.	*Utah*
Mejias, Francisco J.	*Porto Rico*
Nicholson, Frank	*New York*
Oddo, Vincent	*Massachusetts*
Oduber, Jacob	*Dutch West Indies*
O'Malley, William F.	*New York*
Pruitt, Sam Orr	*South Carolina*
Rios, Manuel Garcia	*Porto Rico*
Rios, Ramon R.	*Porto Rico*
Ruzicka, Francis F.	*Maryland*
Schaeffer, Stewart Seibert	*Pennsylvania*
Sharpe, Horace W.	*New York*
Soba, Carmelo	*Porto Rico*
Steffy, Gideon H.	*Maryland*
Strandberg, H.	*New Jersey*
Vassalo, John E.	*Massachusetts*
Wellman, Harrison M.	*Pennsylvania*

PRE-MEDICAL STUDENTS.

Name	State
Daves, John	*Virginia*
Gleason, John L	*Connecticut*
Goldberg, A. M	*Maryland*
Maresca, R. J	*New Jersey*
Rigau, Gabriel	*Porto Rico*

SPECIALS.

Gauvain, Ernest A	*Maryland*
Hodges, Henry S	*North Carolina*
Lewis, W. C	*Pennsylvania*
Lopes, Enferio	*Porto Rico*

SECOND YEAR CLASS.

Armstrong, Ralph H	*Pennsylvania*
Bailin, Robert	*New York*
Calladine, Thomas, Jr	*New York*
Clinkscales, Reuben C	*South Carolina*
Childs, Chapin C	*New York*
Diebolder, Oscar A	*Germany*
Dominguez, Thomas	*Porto Rico*
Dooley, George E	*Connecticut*
Durkin, Patrick	*Rhode Island*
English, Samuel M	*Pennsylvania*
Foley, Joseph D	*Massachusetts*
Garrido, Manuel	*Porto Rico*
Gillette, Harold E	*New York*
Gonzales, Carlos	*Porto Rico*
Greenspun, Hyman	*Pennsylvania*
Grossman, Louis W	*Pennsylvania*
Gatsopoulos, Petros N	*Greece*
Ginsburg, Jacob	*Maryland*
Hughes, Samuel	*North Carolina*
Higgins, Gerald L	*New Jersey*
Hay, Edward F	*Pennsylvania*
Jenrette, Wendell V	*North Carolina*
Jordan, Wm. B	*Massachusetts*
Jones, Milton E	*Maryland*
Jarman, Alonzo Russell	*North Carolina*
Kelly, B. R	*Connecticut*
Litzinger, R. W	*Maryland*
Linhardt, Oscar V	*Maryland*
Lanich, Lloyd L	*Pennsylvania*
McGuffie, Charles R	*West Virginia*
Meyers, Lloyd R	*Pennsylvania*
Miller, W. Cleland	*Pennsylvania*
McReynolds A. E	*Illinois*
Machin Frank H	*Maryland*
Maxwell John A	*Connecticut*
McCullough, Kenneth J	*Delaware*
Moses, Charles Howard	*Pennsylvania*
Meyers, Charles W	*Pennsylvania*
McKenna, William G	*Rhode Island*
Neale, Vivian J	*Maryland*
Naumann, Albert A	*Massachusetts*
O'Neale, Joseph T	*Massachusetts*
Pasuth, Bartholomew C	*Connecticut*

Name	State
Pole, Charles A	*Maryland*
Riordan, Arthur H	*Massachusetts*
Ruark, William T	*North Carolina*
Sanders, L. C	*South Carolina*
Shipley, Frank E	*Maryland*
Sima, Charles E	*Maryland*
Snyder, Samuel S	*Pennsylvania*
Studebaker, David C	*Pennsylvania*
Streett, Russell B	*Connecticut*
Scher, Isidor	*New York*
Sharkey, Myles B	*New York*
Umpierre, Ramon	*Porto Rico*
White, Clarence S	*West Virginia*
Wright, Harold G	*New York*
Windsor, W. W	*Maryland*

THIRD YEAR CLASS.

Agnew, John Robert	*New York*
Blanchard, William B	*Connecticut*
Cassilli, Arthur	*New Jersey*
Chenoweth, B. M	*West Virginia*
Church, Frederick E	*Massachusetts*
Cobleigh, H. R. C	*Massachusetts*
Coltraine, John W	*North Carolina*
Culverhouse, J. B	*Massachusetts*
Dailey, Gilbert L	*Pennsylvania*
DiAngelo, V. F	*New York*
Douthirt, Cranford H	*Maryland*
Downey, J. Frank	*Massachusetts*
Dull, J. E	*Pennsylvania*
Genell, Ernest G	*New Jersey*
Glover, Victor L	*West Virginia*
Goldfarb, Samuel	*Maryland*
Grazier, George G	*Pennsylvania*
Guzman, Manuel	*Porto Rico*
Hoak, Warren H	*Pennsylvania*
Lewis, Nolan D. C	*Pennsylvania*
Lebares, G. A	*Philippine Islands*
Miller, Byron Y	*Vermont*
McLellan, W. E	*Massachusetts*
Morison, G. P	*Pennsylvania*
O'Neill, John C	*Connecticut*
Pinto, Nicholas W	*New Jersey*
Rieger, Ernest M. G	*New York*
Roman Manuel	*Porto Rico*
Romeu, Ernesto	*Porto Rico*
Saadeh, Najib A	*Syria*
Schaun, Paul Edward	*Maryland*
Updike, E. H	*West Virginia*
Van Orman, Vilas G	*New York*
Wood, Austin H	*Pennsylvania*
Young, Charles A	*Pennsylvania*

FOURTH YEAR CLASS.

Blanchet, Louis A	*Canada*
Bicking, C. Austin	*Pennsylvania*
Bove, Charles F	*New York*
Clift, John White Vinton	*Maryland*

Name	State
Curtin, William Edward	*Massachusetts*
Farber, Dawson L.	*Ohio*
Gay-Lord Lyman W.	*Maryland*
Gibbs, Howard W.	*Massachusetts*
Gluckstein, Alexander M.	*New York*
Kaplan, Michael	*New York*
Keim, Albert L.	*Pennsylvania*
Kraft, Harry Nelson	*Maryland*
Lassise, Enrique	*Porto Rico*
LeValle, Irving H.	*New York*
Leddy, Robert C.	*Connecticut*
Leone, Chas. B.	*New York*
Marr, Ernest G.	*Germany*
Morrison, James Bernard	*Canada*
McDuffie, Charles G.	*New Hampshire*
McLeod, Alexander	*Alabama*
Nah, Victor C.	*Mexico*
Piness, George	*New Jersey*
Regan, L. J.	*New York*
Reynolds, Calvin Lewis	*Virginia*
Riley, Edwards Murray	*South Carolina*
Riley, William M.	*Pennsylvania*
Schlesinger, Henry	*Pennsylvania*
Schneider, Gordon W.	*New York*
Sell, Roger K.	*Pennsylvania*
Silliman, Grover A.	*New York*
Silverman, Max K.	*New York*
Smith, Boylston D.	*Alabama*
Stokes, William E.	*California*
Thomas, Robert E.	*Pennsylvania*
Whitney, George M.	*Maryland*
Zimmerman, George L.	*Pennsylvania*
Zimmerman, Ira M.	*Pennsylvania*

GRADUATES—SESSION OF 1912-1913.

C. Austin Bicking	*Pennsylvania*
Charles F. W. Bove	*New York*
William Edward Curtin	*Connecticut*
John White Vinton Clift	*Maryland*
Dawson L. Farber	*Ohio*
Lyman Windley Gay-Lord	*Maryland*
Howard W. Gibbs	*Massachusetts*
Albert L. Keim	*Pennsylvania*
Enrique Lassise Rivera	*Porto Rico*
Charles B. Leone	*New York*
Irving Howard LaValle	*New York*
James Bernard Morrison	*Canada*
Alexander McLeod	*Alabama*
Ernest G. Marr	*Germany*
Victor C. Nah	*Mexico*
George Piness	*New Jersey*
William Murdock Riley	*Canada*
Edwards Murray Riley	*South Carolina*
Calvin Lewis Reynolds	*Virginia*
William Ellis Stokes	*California*
Grover Asa Silliman	*New York*
Roger K. Sell	*Pennsylvania*
Gordon William Schneider	*New York*
Max Kaufman Silverman	*New York*

Name	State
Henry Schlesinger	*Pennsylvania*
Boylston D. Smith	*Alabama*
Robert E. Thomas	*Pennsylvania*
Ira M. Zimmerman	*Pennsylvania*
George Luther Zimmerman	*Pennsylvania*

THE COLLEGE MEDAL AND PRIZES.

The Gold Medal and the R. B. Warfield Surgical Prize to Alexander McLeod of Alabama.
The S. K. Merrick Prize to Grover Asa Silliman of New York.
The W. B. Perry Gynecological Prize to Enrique Lassise Rivera of Porto Rico.
The J. M. H. Rowland Obstetrical Prize to George Piness of New Jersey.
The J. Burton Rutherford Prize to Henry Schlesinger of Pennsylvania.
The Arminius C. Pole Anatomical Prize to P. N. Gatsopoulos of Greece.

ALUMNI.

This College has been in existence thirty-two years and has two thousand and forty-nine (2049) medical alumni, and three hundred and fifty-four (354) dental alumni.

UNIVERSITY OF MARYLAND.

The School of Medicine of the University of Maryland is one of the oldest institutions of medical education in America, having been chartered in 1807, under the title of the College of Medicine of Maryland.

Five years later, in 1812, by authority of the General Assembly of Maryland, the College of Medicine of Maryland was empowered to annex to itself three other colleges or faculties, viz: The Faculty of Divinity, the Faculty of Law, and the Faculty of Arts and Sciences, and the four faculties or colleges thus united were "constituted an University by the name and under the title of the University of Maryland."

The Medical School of the University is thus its oldest department and ranks fifth, in point of age, among the medical colleges of the United States.

Throughout the century of its existence it has always taken rank as one of the leading medical colleges of the South, and among the most widely known and most highly honored of the schools of medicine of the country.

Beginning with the modest number of five, composing the first graduating class in 1810, the list of graduates in medicine of the University of Maryland, now numbers five thousand nine hundred and fifteen names, drawn from all parts of the United States and from abroad, among which are to be found some of the most noted names connected with the history of medicine in our country.

While from the foundation of the University of Maryland, the policy of the Faculty of Physic has been one of wise conservatism, it has, at the same time, never been behindhand in the march of educational progress, and while retaining for so long a time as they were of real value, those features of older educational methods which were wisest and best, they have often been first, and always among the first, in the adoption of all measures tending to improvement in methods of medical teaching, and to true elevation of the standard of medical education.

In illustration of this the following facts may be mentioned:

It established one of the first Medical Libraries and the first Medical College Library in the country (1813).

It was among the very first to provide for adequate clinical instruction by the erection of its own hospital, available at all times for the use of students (1823).

The School of Medicine of the University of Maryland was the first medical school in America to make dissecting a compulsory part of the curriculum (1833).

It was the first to give instruction in Dentistry (1837).

It was among the first to meet the modern demand for instruction in specialties (1866).

It was the first medical school in America to establish separate and independent chairs of Diseases of Women and Children (January, 1867) and of Eye and Ear Diseases (1873).

It was among the first to teach Hygiene and Medical Jurisprudence (1883.)

It is the aim of the present Faculty of Physic of the University of Maryland to carry out this policy established by its predecessors.

With this end in view, the Faculty has, in the last few years, expended, and is now expending, large amounts in the establishment and equipment of its Lying-in Hospital, its Laboratories of Chemistry, Histology, Pathology and Bacteriology, in the erection of the University Hospital, which was completed in 1897, and in the erection of a new Laboratory Building, recently completed.

By arrangements just concluded between the two institutions, The Baltimore Medical College, established thirty-two years ago and having over two thousand graduates, has been merged with the School of Medicine of the University of Maryland.

By this arrangement the members of the Faculty of this well known institution become teachers in the School of Medicine of the University of Maryland, which takes over the equipment of the Baltimore Medical College and succeeds to all the clinical privileges which it formerly enjoyed in a number of general and special hospitals, thereby greatly increasing and improving the facilities for instruction in all departments.

All graduates of the Baltimore Medical College are now eligible for membership in the General Alumni Association of the University of Maryland.

The Faculty is therefore in position to offer to students of medicine and graduates a course of combined didactic, clinical and labo-

ratory instruction which will compare favorably with that offered by any medical school in the United States.

The details of this course will be found in the following announcement of the one hundred and sixth annual course of instruction of the School of Medicine of the University of Maryland.

CLINICAL INSTRUCTION.

Throughout the entire period of existence of the School of Medicine of the University of Maryland, clinical teaching has always been a prominent and important feature in the course of instruction.

The ownership and exclusive control by the Faculty of Physic of the University Hospital and the Maternity Hospital of the University of Maryland, the exclusive control of the clinical facilities in the Maryland General and Maryland Lying-In Hospitals, and the clinical privileges enjoyed by the University in the Presbyterian Eye, Ear and Throat Charity Hospital, the James Lawrence Kernan Hospital and Industrial School of Maryland for Crippled Children, the City Hospitals at Bay View, St. Vincent's Infant Asylum and other institutions for the care of the sick in and near the city, place the Faculty in a position to make unusually prominent this important feature of a medical course, and have enabled it to organize and carry into effect a system of thorough clinical teaching whereby each member of the several class sections is brought into direct personal contact with the cases under examination.

In addition to the regular daily clinical lectures in the amphitheatre, much attention is given to this strictly bedside instruction.

The students, in small classes, are required to accompany the physician or surgeon through the wards of the hospital, and are there trained in making diagnosis, in the dressing of wounds, the application of splints, plaster jackets and other appliances, and in the handling of the many instruments used in the diagnosis and treatment of disease.

In the Dispensaries and Out-patient Departments, students have similar opportunities of familiarizing themselves with methods of diagnosis and treatment in the various specialties of medicine and surgery, and of observation of such cases as do not require confinement in bed.

There is a separate building devoted to the out-patient depart-

ments of Medicine and Diseases of Children, and there are two obstetrical clinics with both ward and out-patient facilities.

To the student of medicine the value of the training and encouragement thus afforded him in habits of close and accurate observation, of self-possession and self-reliance, in the future practice of his profession, can hardly be overestimated.

HOSPITALS AND DISPENSARIES.

UNIVERSITY HOSPITAL.

The University Hospital, which is the property of the Faculty of Physic of the University of Maryland, is the oldest institution for the care of the sick in the State of Maryland. It was opened in September, 1823, under the name of the Baltimore Infirmary, and at that time consisted of but four wards, one of which was reserved for eye cases. By successive additions this hospital was increased to more than fourfold its original accommodations, there being added to it a large clinical amphitheater, a students' building for the accommodation of the thirty clinical assistants, and a nurses' building for the accommodation of the pupils of the Training School for Nurses. The yearly increase in the number of patients seeking admission to the hospital, however, more than kept pace with the increase in accommodations, and the Faculty therefore erected an entirely new and modern hospital of fully double the capacity of the former building.

The University Hospital is constructed of brick and Tennessee limestone in the Colonial style of architecture, fronting 175 feet upon Lombard Street, and about the same on Greene Street. It is supplied with the most modern and approved system of heating, ventilation, etc., and equipped with all modern requirements and conveniences for the care of the sick, and for the clinical instruction of the students of the University.

It is one of the largest and finest hospitals owned and controlled by any medical school in America, and in point of architectural beauty, convenience and completeness of arrangements and equipment compares favorably with other hospitals.

An important adjunct to the hospital is the postmortem building, which is constructed with special reference to the instruction of students in pathological anatomy.

The hospital is situated opposite the University building, so that the student loses no time in passing from the lecture halls to the clinical amphitheater.

A portion of the hospital is used as a marine hospital for foreign seamen. The great importance of Baltimore as a shipping point brings into her harbor many vessels from all parts of the world, and the sick sailors who are cared for in the wards of the institution give the students an opportunity to observe a large variety of diseases. Another considerable portion of the building is used as a Municipal Hospital, and contains charity beds supported by the city of Baltimore. This department of the hospital is taxed to its utmost capacity to afford accommodations for the patients seeking admission.

Owing to its location, being the nearest hospital to the largest manufacturing district of the city, the University Hospital receives for treatment a very large number of accident cases of all kinds, both slight and serious. These cases, as well as patients suffering from the various diseases of our own climate, occupy the beds, and add greatly to the facilities of clinical teaching enjoyed by the school. The facilities for clinical instruction have been greatly enlarged by an appropriation by the State of Maryland for the support of free beds for patients from the various counties.

MARYLAND GENERAL HOSPITAL.

The clinical service of this hospital is controlled exclusively by the University of Maryland. It is situated on Linden avenue, north of Madison street, is five stories in height, has a capacity of one hundred and sixty (160) beds, and is so arranged that patients may be brought from the wards directly before the class in the amphitheatre. This hospital contains patients suffering from almost every form of indigenous disease, and nearly every variety of injury. Special operating and dressing rooms are provided with sterilizers and all necessary surgical instruments, apparatus and appliances, including Roentgen ray for locating foreign bodies, examining bones, etc., and hot and cold water. Dressings and operations occupy a large portion of each day.

MATERNITY HOSPITAL OF THE UNIVERSITY OF MARYLAND.

This institution is also the property of the Faculty of Physic, and under its exclusive control and direction, and is conducted with the special purpose of furnishing actual obstetrical experience to each member of the graduating class.

New accommodations have been provided in the general hospital, and the Maternity Department now offers better facilities than

ever before. The private rooms and wards are modern in all respects, and the large increase in clinical material has made it possible to offer excellent opportunities for post-graduate work.

Three resident physicians are annually appointed to this hospital from among the graduates of the University.

For purposes of instruction in this most important branch, the members of the Senior Class, after a course of instruction by the Demonstrator of Obstetrics on the manikin, are taken in sections of two students each, into the wards of the hospital, where, under the direct and immediate supervision of the Professor of Obstetrics and his Chief of Clinic, they are thoroughly instructed in vaginal examination and the antiseptic precautions to be taken in making such examination, abdominal palpation, the diagnosis of presentations, and in the treatment of pregnant women preparatory to labor. The sections of the graduating class are assigned in rotation to attend labor cases in the hospital, and arrangements are perfected whereby members of the section are summoned without delay at any hour when labor occurs.

Students are thus afforded opportunities under the immediate supervision of the instructor to become familiar with the mechanism of labor in all its stages, and have frequent opportunities to witness the application of forceps, and the methods of treatment of the various complications of labor. Much attention is also paid to their instruction in the subsequent treatment of mother and child.

The out-door clinic is thoroughly organized, and after instruction in the hospital, students of the graduating class are allotted to attend labor cases at the homes of patients, under supervision of the Professor of Obsetetrics, his Chief of Clinic, or either of the resident physicians of the Lying-in Hospital whenever complications or difficulties arise. Each student will be required to conduct and keep accurate record of at least ten confinement cases, under the supervision of the attending physician.

By this system of combined didactic, practical, and clinical methods of teaching, students of this University are afforded opportunities for instruction in this most important branch of medical science which are equaled by very few other schools and surpassed by none.

Synopsis of the Reports of the Resident Physicians for the year ending May 1, 1913.

Number of Confinements in Hospital	444
Number of Confinements in Out-Door Department	702
Total	1146

Average number of cases seen by each student of the graduating class, 40.

THE CITY HOSPITALS.

The clinical advantages of the University have been largely increased by the liberal decision of the Board of Supervisors of City Charities to allow the immense material of these hospitals to be used for the purpose of medical education. There are daily visits and clinics in medicine and surgery by the Staff of the City Hospitals, and the dead-house furnishes a great abundance and variety of pathological material, which is used for demonstration.

The City Hospitals consist of the following separate hospitals:

The General Hospital, 160 beds,

The Municipal Hospital for Tuberculosis, 190 beds,

City Detention Hospital for Insane, 450 beds.

THE PRESBYTERIAN EAR, EYE AND THROAT CHARITY HOSPITAL.

This institution, which was founded in 1877, largely through the efforts of the late Dr. J. J. Chisolm, then Professor of Diseases of the Eye and Ear in the University of Maryland, is one of the largest special hospitals in the country.

During the year 1910 there were admitted to the Dispensary and Hospital, 10,815 persons.

The Dispensary and wards of this hospital afford ample facilities for the study of diseases of the eye, ear, nose and throat.

THE JAMES LAWRENCE KERNAN HOSPITAL AND INDUSTRIAL SCHOOL OF MARYLAND FOR CRIPPLED CHILDREN.

This institution contains one hundred beds for the active treatment of deformities. It is situated at "Radnor Park," a colonial estate of sixty-five acres at Hillsdale, one mile from the western city limits, reached by trolley.

This institution has city, state and endowed beds and every modern facility for the treatment of orthopedic cases as well as a most beautiful park-like environment and farm and is closely affiliated with the University of Maryland.

ST. VINCENT'S INFANT ASYLUM.

The facilities of this institution, containing 250 infants and children, have been kindly extended to the University of Maryland by the Sisters of Charity. This large clinic enables this school to present to its students liberal opportunities for the study of diseases of infants and children.

THE MARYLAND LYING-IN HOSPITAL.

This hospital adjoins the Maryland General Hospital and furnishes an abundance of clinical material which is under the control of the University of Maryland. There is an out-door clinic connected with this hospital, which is well organized and is under the supervision of the Obstetrical Department of this school.

MOUNT HOPE RETREAT FOR THE INSANE.

This hospital contains an average of 1,000 patients, is attended by Prof. Charles G. Hill, M.D., of this faculty, and presents rare opportunities for the study of nervous and mental diseases.

SOUTH BALTIMORE EYE, EAR, NOSE AND THROAT CHARITY HOSPITAL.

This hospital is situated in south Baltimore and has a large out-patient department devoted to Diseases of the Eye, Ear, Nose and Throat.

Dr. H. E. Peterman is visiting surgeon, and small groups of students are sent there for instruction in the above named diseases.

MARYLAND ASYLUM AND TRAINING SCHOOLS FOR FEEBLE-MINDED.

This hospital situated in the suburbs of Baltimore is owned and controlled by the State of Maryland. It contains 700 beds devoted to the treatment and training of the feeble minded and epileptics. Dr. Frank W. Keating is the superintendent and is Instructor in Psycho-Asthenics in the University of Maryland. Sections of the Fourth Year class are sent to this hospital for instruction in the proper care of feeble minded and epileptics.

SPRING GROVE STATE HOSPITAL.

This hospital is a state institution for the treatment of the insane. There are 750 beds. Dr. J. Percy Wade is superintendent. Students of this school may be sent to this institution for instruction in the diagnosis and treatment of mental diseases.

SPRINGFIELD STATE HOSPITAL.

This large state institution for the treatment of mental diseases is situated at Sykesville, Md. There are accommodations for 1300 patients. Dr. J. Clement Clark, the superintendent, is also Associate Professor of Psychiatry in the University of Maryland.

UNIVERSITY DISPENSARY OR OUT-PATIENT DEPARTMENT.

This department of the University Hospital furnishes a most abundant supply of material for clinical instruction. During the past year the number of visits made by patients to the various departments of the Dispensary was 28,737.

The whole department is arranged and thoroughly organized to facilitate the classification of the patients coming under treatment and their distribution to the various professors giving clinical lectures.

During the intervals between the sessions the regular clinics are continued in the amphitheater, and there is also, each day, a bedside clinic in the hospital and service in the Dispensary. It will thus be seen that the school offers unusual facilities for clinical study during its regular session, and that the continuance of the clinics during the year affords opportunity to such students and graduates as can spend their time in the city.

Attention is called to the fact that during the intervals between the sessions, from June to October, students have the advantage of *three hours of clinical instruction daily*, between the hours of 11 a.m. and 2 p.m.

MARYLAND GENERAL HOSPITAL DISPENSARY.

The Maryland General Hospital Dispensary treats 18,000 indigent patients annually, and supplies this school with an inexhaustible clinic for the instruction of its students. In the outdoor department of the dispensary, advanced students visit and treat patients at their homes, under the direction of the dispensary physician or his assistants.

RESIDENT STUDENTS.

Accommodations are provided in dormitories adjacent to the hospital for resident students. To these are assigned wards in the hospital, with attendance upon the sick, under the daily supervision of the professors of the University and resident house officers. Special attention is called to the fact that in this institution undergraduates are permitted to enjoy the very great advantages of constant observation of the sick and of receiving daily bedside instruction from the members of the Faculty. Rotation in ward service is the rule adopted, in order that the experience of the students may be as varied as possible.

LABORATORIES.

ANATOMICAL LABORATORY.

This laboratory is in charge of Associate Professor Holland and his assistants. It occupies an entire floor of one of the laboratory buildings and has in addition a smaller room for section teaching. The University has recently built its own storage and embalming plant, which supplies an abundance of anatomical material. The museum affords a large collection of both wet and dry specimens which are used in teaching. There is also a considerable amount of material in comparative anatomy. Dissecting tickets must be countersigned as an evidence of satisfactory dissecting.

Anatomical material is furnished in abundance free of charge.

CHEMICAL LABORATORY.

The Chemical Laboratory is under the supervision of the Professor of Analytical Chemistry, aided by the Demonstrators. Each student during his course has assigned him a table and is fully supplied, with all necessary apparatus and chemicals, free of charge, except for breakage, which is charged at cost price.

Students of the first year's class will be required to devote six hours weekly to work in this department.

LABORATORY OF PRACTICAL AND EXPERIMENTAL PHYSIOLOGY.

This laboratory is fully equipped with the latest and most improved apparatus.

Each student is trained to become familiar with the phenomena of life by objective and personal study.

An abundant supply of material is provided for experiment and demonstration.

The laboratory is also well adapted for post-graduate study and special research in Physiology, for which opportunity will be given under suitable regulations.

LABORATORY OF PHYSIOLOGICAL CHEMISTRY.

The second year class is given practical instruction in the chemistry of the sugars and proteids as well as a detailed course in the

chemistry of the various secretions. The experiments performed by each student are adapted to illustrate not only the physiological but also the pathological conditions which may result in various diseases from perverted metabolism. The chemistry of the food stuffs and its practical bearing upon diet is especially dwelt upon. The course is essentially practical, only including so much theoretical physiology as is necessary for a proper knowledge of the subject. Graduates and advanced students competent to undertake such work, who desire to pursue special chemical investigation, will be given the opportunity under suitable regulations.

LABORATORY OF HISTOLOGY AND EMBRYOLOGY.

This laboratory is equipped for teaching Histology and Embryology.

There is a large collection of charts, specimens and apparatus used in teaching. The necessary equipment for the practice of technique is provided.

LABORATORY OF PHARMACOLOGY AND MATERIA MEDICA.

The laboratory of Pharmacology and Materia Medica contains a complete museum of materia medica preparations including the crude drugs, preparations and active principles.

The laboratory of pharmacology is provided with instruments and appliances for demonstrating the physiologic effects of drugs on animals.

LABORATORY OF PATHOLOGICAL HISTOLOGY AND BACTERIOLOGY.

In addition to the opportunities which are afforded students for the study of gross pathology by the weekly lectures and demonstrations, and by attendance upon the autopsies at University and Bayview Hospitals, laboratory instruction is also given in Pathological Histology and Bacteriology, for which purposes the autopsies furnish an abundant supply of material.

Ten hours weekly are devoted to this instruction, which is obligatory on all second- and third-year students.

The course of instruction embraces the preparation and study of sections illustrating the common lesions of the various organs; the miscroscopic examination of urinary sediments; the various methods of isolating and identifying microörganisms, and the method of staining important microörganisms.

Graduates and advanced students qualified to profit by such work, desiring to undertake special lines of investigation in this department, will be afforded excellent opportunities for study.

LABORATORY OF CLINICAL PATHOLOGY.

This laboratory is fully equipped for the study of practical laboratory work in its relationship to clinical medicine. Each student is supplied with a locker, containing a microscope and sufficient apparatus for any ordinary examination.

The wards and out patient departments of the University and allied hospitals furnish an abundance of material for study.

By reason of individual equipment, much work outside of class hours is expected of the student.

The class room is adequately lighted, and is conveniently situated for teaching purposes.

LIBRARIES.

The University Library, founded in 1813 by the purchase from his widow of the collection of books of Dr. John Crawford, now contains 11,645 volumes, 45 current journals and several thousand pamphlets. During the year ending June 1, 1913, 905 volumes were added. It is open daily during the year, except in August, for the use of members of the Faculty, students and the profession generally. Books may be taken out without charge by making a deposit of three dollars. It is well stocked with recent literature and the more commodious quarters acquired in Davidge Hall have promoted very much its growth and usefulness.

Other libraries of Baltimore are the Peabody (181,000 volumes), the Enoch Pratt Free Library (280,000 volumes) and the Library of the Medical and Chirurgical Faculty. The last named library receives the leading medical publications of the world and complete sets of many journals are available.

The libraries are open to students of the Medical School without charge.

The nearness of Washington puts the immense libraries of the national capital at the disposal of students of this school.

THE MUSEUM.

The museum occupies a separate apartment in the main building. It is under the care of the curator, Prof. J. Holmes Smith

and his assistants. It contains a large collection of anatomical preparations, plaster casts, charts, models, etc., used in teaching anatomy. It contains also a number of specimens of comparative anatomy. There is a large collection of gross pathological specimens and cut sections mounted for demonstration. For the department of obstetrics, there is an excellent collection of normal and abnormal human embryos.

PUBLICATIONS.

Two monthly journals are published by the University. *Old Maryland* is devoted to the interests of the entire University and is published under the auspices of the General Alumni Association. Dr. Eugene F. Cordell is editor. *The Hospital Bulletin* is the pub lication of the Medical School. Dr. Nathan Winslow is editor.

DENTAL INFIRMARY.

The Dental Department of the University of Maryland is situated upon the University grounds, fronting on Greene Street, and adjoining the building of the School of Medicine.

Daily clinics are held in this department in the afternoon from 2 to 5 o'clock, which are open to students of the School of Medicine, and offer excellent opportunities to students intending to practice in the country to familiarize themselves with dental operations.

DEPARTMENT OF PHARMACY

By arrangements recently concluded between the two institutions, the Maryland College of Pharmacy, established in 1840, and widely and favorably known as one of the oldest and most prominent of the institutions of its kind in this country, has become the Department of Pharmacy of the University of Maryland, and now occupies buildings upon the University grounds.

The lectures and laboratories in this Department will afford to students of the School of Medicine who expect to practice in the country, opportunities of acquiring a knowledge of correct methods of dispensing medicines which will be of much value in their future practice.

Special courses of instructions in the laboratories of Pharmacy may be arranged for upon payment of a moderate fee.

ANNUAL APPOINTMENTS.

On February first of each session the following annual appointments are made from among the graduates of the school.

TO THE UNIVERSITY HOSPITAL.

Superintendent.
Six Resident Surgeons.
Four Resident Physicians.
Two Resident Gynecologists.
Two Resident Pathologists.

TO THE MATERNITY HOSPITAL.

Three Resident Physicians.

TO THE MARYLAND GENERAL HOSPITAL.

One Chief of House Staff.
Two Resident Physicians.
Five Resident Surgeons.
One Resident Obstetrician.

A number of students are appointed each year, at the close of the session, as Clinical Assistants. The fee for such hospital residence is *one hundred and fifty dollars* per year, PAYABLE IN ADVANCE. This covers lodging, light and fuel.

Many appointments to other hospitals of Baltimore are made annually, to which graduates of the University of Maryland are eligible.

PRIZES.

FACULTY PRIZE—To stimulate study among the candidates for graduation, the Faculty offers a Gold Medal to the candidate who passes the best general examination. Certificates of Honor are awarded to the five candidates standing next highest.

REQUIREMENTS FOR MATRICULATION.

Admission to the course in medicine is by a completed Medical Student Certificate issued by the Board of Medical Examiners of Maryland. This certificate is obtained from Prof. Isaac L. Otis, the Entrance Examiner of the Board, on the basis of satisfactory credentials, or by examination, or both, and is essential for admission to any class.

The requirements for the issue of the Medical Student Certificate are those prescribed by the rules of the Association of American Medical Colleges, of which Association this Faculty is a member, and are as follows:

(A) A baccalaureate degree from an accredited college or University; or,

(B) A diploma and transcript of record from a fully accredited high school, normal school or academy requiring for admission evidence of the completion of a standard course in primary and intermediate grades and for graduation, the completion of a standard four-year high school course, embracing two years (2 units) of mathematics, two years (2 units) of English, two years (2 units) of a foreign language, one year (1 unit) of American History and Civics and seven years (7 units) of further credit in language, literature, history or science, making the total of units at least fourteen; or,

(C) An examination in the following branches totaling 14 units:

	Units.
(1) Required, 7 units.	
Mathematics—(Minimum 2 years; maximum 3 years) Algebra and plane geometry	2
English—(Minimum 2 years; maximum 4 years)	2
A Foreign Language—(Minimum 2 years; maximum 4 years)	2
U. S. History	1
Total required units	7
(2) Elective, 7 units. To be selected from the following:	
English Language and Literature—(in addition to the required work)	1 to 2
Foreign Language—additional Latin, German, French, Italian, Spanish or Greek (not less than one year in any one)	1 to 4
Advanced Mathematics—advanced Algebra, Solid Geometry and Trigonometry (½ year each)	1
Natural Science—Chemistry, 1 year; Physics, 1 year; Biology, Botany, Physiology, Zoology (½ to 1 year each)	½ to 2
Earth Science—Physical Geography, Geology, Agriculture (½ to 1 year each)	½ to 2
Astronomy—(½ year)	½
Drawing—(½ to 1 year)	½ to 1
History—Ancient, Medieval and Modern, English (1 year each)	1 to 3
Economics—(½ year)	½
Manual Training—(1 year)	1
Book-keeping—(½ to 1 year)	½ to 1

One unit in any subject is the equivalent of work in that subject for four or five periods per week for a year of at least thirty-six weeks, periods to be not less than forty-five minutes in length. One unit is equivalent to 2 semester credits or 2 points.

Conditioned matriculation is not permitted, and all deficiencies in credentials presented must be made good by examination before the student may be admitted.

After January 1, 1914, one year of college credits in chemistry, biology, physics and French or German will be required in addition to the accredited four-year high school course.

The evaluation of credentials can be made by the Entrance Examiner only, and all students whose entrance qualifications are not clearly satisfactory, or whose certificates are not complete, are advised to obtain from him or from the Dean blank forms on which to prepare a full statement of their previous education, in advance of their coming to Baltimore. Such statements to be submitted to the Entrance Examiner for his advice as to the course to be pursued.

The Entrance Examiner for Maryland is Prof. Isaac L. Otis, Hall of the Medical and Chirurgical Faculty of Maryland, 1211 Cathedral Street, Baltimore. To him must be submitted the credentials of all applicants, and by him is issued the certificate upon which the student is matriculated.

The student is earnestly advised to qualify himself under his State law, and, where such certificates are issued, to receive the medical students' certificate from the State authorities before entering upon his medical studies. By adopting this course future difficulties may be avoided.

Graduates in Medicine desiring to take the Senior Course, without being candidates for the degree, and therefore without examination, may receive a certificate of attendance.

PRE-MEDICAL COURSE.

In order to meet the increased requirements for matriculation taking effect January 1, 1914, a special Pre-Medical Course in Chemistry, Physics, Biology and French or German is now offered in St. John's College.

COMBINED COURSE IN ARTS AND MEDICINE.

St. John's College, Annapolis, Md., founded in 1696, is by contract of affiliation styled and recognized as the Department of Arts and Sciences of the University of Maryland.

Students who have completed the Junior Year in St. John's College and who have made an approved choice of electives may if they desire it do the entire work of the Senior Year in the Medical School of the University. If they successfully complete the work of the first medical year they are graduated with their class with the degree of A B. from St. John's College.

By taking advantage of this privilege a man may complete the Undergraduate and Medical courses in seven years.

During three of these years or until he has completed the work of the Junior class he is a resident student in St. John's College and for four years he is a resident in the Medical School in Baltimore.

At the end of the fourth year he receives the A.B. degree, and at the end of the seven years the M.D. degree, but credit from the Medical School cannot be accepted in subjects for which credit has already been given in the College of Liberal Arts.

GRADUATES OF PHARMACY.

Graduates of recognized Colleges of Pharmacy will be given credit for the work which they have done in Chemistry and Materia Medica and will be excused from the lectures, laboratory work and recitations upon these subjects in the Freshman Year. The fee for the Freshman Year to Graduates of Pharmacy will be $125.

STATUTES.

1. Cards for completed courses will be issued by the Dean at the end of the session. Laboratory tickets and tickets for practical anatomy must be countersigned by the proper demonstrators and directors. Unless properly countersigned, a ticket will not be accepted as evidence of a completed course.

2. Every candidate must have passed examinations in the various branches of medicine taught in this school, or show satisfactory evidence of having done so in other schools, and also produce evidence of satisfactory work in practical anatomy and the various laboratories. Attendance upon all clinical lectures is obligatory.

3. Any student failing in more than one-half the yearly examinations shall be required to repeat the work of the year and shall not be allowed to advance with his class. Students deficient in less than one-half the year's work are permitted to make up their deficiency in the fall examinations. All students are required to stand the spring examinations unless excused by the Dean. No student will be permitted to enter the third-year class who has not completed all first-year work, and no student will be permitted to enter the fourth-year class who has not completed all second-year work, nor shall a student be advanced from a lower to a higher class if he is conditioned in more than one major and one minor subject.

4. The graduation fee, which is $30, must be deposited with the treasurer before the candidate can be admitted to final examination. This fee is returned in case the examination is unsuccessful.

5. Examinations for the degree of Doctor of Medicine are conducted by the several professors.

A student failing in final examination for graduation at the end of the fourth year will be charged the regular fees for tuition, etc.,

and will be required to repeat the entire course of the fourth year and to take examinations in such other branches as may be required, should be he permitted to again enter the school as a candidate for graduation.

6. The general fitness of a candidate for graduation will be taken into consideration by the Faculty as well as the results of his final examination.

ANNUAL LIMITATION OF RULES AND FEES.

All the above rules, as well as the fees stated below, relate to the year ending June 1, 1914, only. The right is reserved to make changes in the curriculum, requirements for graduation, fees, and all the regulations whenever the Faculty deem it expedient.

FEES.

Matriculation fee (paid each year)	$5.00
Tuition fee (each year)	165.00
Graduation fee	30.00

There are no extra charges for instruction in any department, or for laboratory courses, except for breakage, and in special cases for materials consumed.

Tuition fees are due and payable during October, and if the entire amount is paid at the Dean's office before November 1, the tuition fee for that year will be $160.

The above fees apply to all students who matriculate in this institution for the first time, in any class, for the session beginning October 1, 1913.

They do not apply to students transferred from the Baltimore Medical College or to students already in attendance. Such students will be entitled to complete the course at the rates previously in force.

Students who have already attended one or more full courses of instruction in this institution will be entitled to complete the course in medicine at the current rates in force at the time of their first full course of lectures in this institution.

Fees for individual courses, $25 each.

SCHOLARSHIPS.

The Dr. Samuel Leon Frank Scholarship.

This scholarship, established by Mrs. Bertha Rayner Frank as a memorial of the late Dr. Samuel Leon Frank, an alumnus of this Uni-

versity, entitles the holder to exemption from the payment of the tuition fee of that year.

It is awarded by the Trustees of the Endowment Fund of the University in each year upon nomination of the Faculty of Physic, "to a medical student of the University of Maryland, who in the judgment of said Faculty, is of good character, and in need of pecuniary assistance to continue his medical course."

This scholarship is awarded to a second, third or fourth year student only, who has successfully completed one year's work in the medical course, and no man may hold such scholarship for more than two years.

The Charles M. Hitchcock Scholarships.

From a bequest to the School of Medicine by the late Charles M. Hitchcock, M.D., an alumnus of the University, two scholarships have been established which entitle the holders to exemption from payment of tuition fees for the year.

These scholarships are awarded annually by the Faculty of Physic to students who have meritoriously completed the work of at least the first year of the course in medicine, and who present to the Faculty satisfactory evidence of good moral character, and of inability to continue the course without pecuniary assistance.

The Randolph Winslow Scholarship.

This scholarship, established by Prof. Randolph Winslow, M.D., LL.D., entitles the holder to exemption from the payment of the tuition fee of that year.

It is awarded annually by the Trustees of the Endowment Fund of the University, upon nomination of the Faculty of Physic, to "a needy student of the Senior, Junior, or Sophomore Classes of the Medical School.

"He must have maintained an average grade of 85% in all his work up to the time of awarding the scholarship.

"He must be a person of good character and must satisfy the Faculty of Physic that he is worthy of and in need of assistance."

The University Scholarship.

This scholarship, which entitles the holder to exemption from payment of the tuition fee of the year, is awarded annually by the

Faculty of Physic to a student of the Senior Class who presents to the Faculty satisfactory evidence of good moral character, and that he is worthy of and in need of assistance to complete the course.

The St. John's Scholarship.

This scholarship is awarded annually by the Faculty of Physic upon the nomination of the President of St. John's College.

It entitles the holder to exemption from the payment of the tuition fee of that year.

NOTICE TO STUDENTS.

The personal expenses of students are at least as low in Baltimore as in any large city in the United States. The following estimates of students' personal expenses for the academic year of eight months have been prepared by students, and are based upon actual experience:

Items.	Low.	Average.	Liberal.
Books	$ 18	$ 32	$ 50
College Incidentals	....	5	10
Board, eight months	96	112	128
Room rent	48	65	80
Clothing and washing	35	50	100
All other expenses	10	20	75
Total	$207	$284	$443

Students will save time and expense upon their arrival in the city by going direct to the School of Medicine on the University grounds, N. E. corner of Lombard and Greene Streets, where the Superintendent of buildings, who may be found at his office on the premises, will furnish them with a list of comfortable and convenient boarding houses suitable to their means and wishes.

The Dean will, if desired, attend to the collection of checks and drafts of students.

For further information, apply to

R. Dorsey Coale, Ph.D., *Dean of the Faculty,*

University of Maryland, Baltimore, Md.

ORGANIZATION OF THE CURRICULUM.

The following curriculum is the result of a recent and thorough revision of teaching in this school in order to meet modern requirements. The multiplication of specialities in medicine and surgery necessitates a very crowded course and the question of electives is one which very soon will be depended on to solve some of the difficulties.

The curriculum is organized under nine departments.

1. Anatomy (including Histology and Embryology).
2. Physiology.
3. Chemistry including Physiological Chemistry.
4. Materia Medica, Pharmacology and Therapeutics.
5. Pathology and Bacteriology.
6. Medicine (including Medical Specialities).
7. Surgery (including Surgical Specialities).
8. Obstetrics.
9. Gynecology.

The instruction is given in four years of graded work.

Each year consists of thirty-two weeks and is divided into two semesters.

Several courses of study extend through two years or more, but in no case are the students of different years thrown together in the same course of teaching.

The first and second years are devoted largely to the study of the structures and functions of the normal body and laboratory work occupies most of the student's time during these two years.

Some introductory instruction in Medicine and Surgery is given in the second year. The third and fourth years are almost entirely clinical.

A special feature of instruction in the school is the attempt to bring together teacher and student in close personal relationship. In many courses of instruction the classes are divided into small groups and a large number of teachers insures attention to the needs of each student.

In many courses the final examinations as the sole test of proficiency has disappeared and the student's final grade is determined

largely by partial examinations, recitations and assigned work carried on throughout the course.

DEPARTMENT OF ANATOMY INCLUDING HISTOLOGY AND EMBRYOLOGY.

J. Holmes Smith, M.D.....Professor of Anatomy
A. C. Pole, M.D.....Professor of Descriptive Anatomy
Tilghman B. Marden, A.B., M.D. ..Professor of Histology and Embryology
J. W. Holland, M.D.....Associate Professor of Anatomy
John Evans, M.D.....Associate in Anatomy
J. L. Wright, M.D.....Associate in Anatomy
G. S. M. Kieffer, M.D.....Associate in Histology and Embryology
W. G. Queen, M.D., Lecturer on Osteology and Assistant in Histology and Embryology
W. F. Sowers, M.D.....Demonstrator in Histology and Embryology
R. G. Willse, M.D.....Assistant in Histology and Embryology
Four assistant demonstrators of Anatomy.

Anatomy.

First Year. Didactic. Three hours each week for thirty-two weeks.

This course embraces the integuments, myology, angiology, osteology, syndesmology and the peripheral nerves.

Laboratory. Twelve hours each week for sixteen weeks. Abundance of good material is furnished and the student is aided in his work by competent demonstrators. Examinations are held at regular intervals throughout the session, and each student will be held to strict account for material furnished him.

Osteology. Two hours each week for thirty-two weeks. Lectures, demonstrations and recitations. Each student is furnished a skeleton and a deposit is required to insure its return at the end of the session.

Second Year. *Didactic.* Three hours each week for thirty-two weeks. Lectures, recitations and conferences.

Laboratory. Twelve hours each week for sixteen weeks. This course includes topographical and applied anatomy of the body cavities and viscera and the cerebro-spinal and sympathetic nervous systems with special demonstrations of important subjects to the class in small sections.

The teaching of anatomy is illustrated by means of charts, diagrams, special dissections and the projection apparatus.

Histology.

First Year. Lectures, recitations and laboratory work; six hours each week throughout the session. The most important part of the work will be done in the laboratory, where each student will be provided with a microscope, apparatus, staining fluids and material necessary for the preparation of specimens for microscopical examination. An important aid to the course is the projection microscope which is used for the projection upon a screen of magnified images of the specimens actually used in the laboratory.

Embryology.

Lectures, recitations and laboratory work; two hours each week during the second semester.

This course includes the study of the development of the chick, and the fundamental principles of mammalian embryology. In the laboratory, the hen's egg will be studied in its various stages of development, and sections of the chick at different periods of incubation will be made and studied microscopically. The latter part of the course will be devoted to the study of sections through different regions of a mammal.

DEPARTMENT OF PHYSIOLOGY.

John C. Hemmeter, M.D., Ph.D., Sc.D., LL.D.....Professor of Physiology
T. L. Patterson, M.A. .....Associate Professor of Physiology and Biology
C. C. Conser, M.D.....Associate in Physiology
G. W. Hemmeter, M.D.....Demonstrator of Physiology
E. L. Bishop.....Laboratory Assistant in Biology

First Year. 1. *General Biology.* This course is designed to serve as a practical introduction to the course in physiology and aims to acquaint the student with the elementary forms, forces, and laws of living nature upon which practically all medical science is dependent. First half year, lectures and conferences three hours a week. Laboratory four hours a week. Associate Professor Patterson and Mr. Bishop.

2. *Physiology.* This course follows the course in General Biology and includes the physiology of blood, circulation, respiration, and a portion of the nervous system. Second half year, lectures and conferences three hours a week. Associate Professor Patterson.

Second Year. 3. *Advanced Physiology, Biochemistry and Biophysics.* This course covers the entire field of physiology in a series

of lectures, demonstrations and conferences that is based upon an already acquired knowledge of the elements of this science as given under No. 1 and 2. The doctrines and theories of modern physiology as far as they give promise of fruitful development of this science are discussed and weekly conferences are held between the classes and the teacher. Thus the Ionic hypothesis—the theory of solutions (Vant Hoff—Arrhenius—J. H. Hamburger—DeVries) and its relation to biochemistry. The theories of immunity (Metschnikoff—Ehrlich)—the doctrine of neuro-chemic co-ordination and its bearing to pharmaco-tropism are made comprehensible to the student. Lectures and conferences three hours a week. Professor John C. Hemmeter assisted by Dr. Conser.

4. *Experimental Biophysics and Biochemistry.* This is a purely Laboratory course in the dynamics of muscle and nerve, nervous system, circulation and respiration. The field covered is that as outlined in Hemmeter's *Manual of Practical Physiology.* Laboratory six hours a week for five months. Associate Professor Patterson, Drs. Conser, G. W. Hemmeter.

5. *Special Mammalian Physiology.* This is a Laboratory course intended for advanced Laboratory students (optional) who may wish to do special work in this line of physiology. Hours to be arranged. Associate Professor Patterson.

6. *Research in Physiology.* Properly qualified students will be admitted to the laboratory which is well adapted for post-graduate study and special research. Hours will be arranged to suit individuals. Professor John C. Hemmeter.

DEPARTMENT OF CHEMISTRY.

R. Dorsey Coale, Ph.D., M.D.....Professor of Chemistry and Toxicology
Daniel Base, Ph.D.....Professor of Analytical Chemistry
E. L. Whitney, M.D.....Associate Professor of Physiological Chemistry
E. F. Kelly, Phar.D.....Associate in Chemistry

First Year. *General Chemistry and Toxicology.* 1. Lectures and Recitations. Two hours per week throughout the session.

A course of lectures and recitations upon inorganic chemistry, fully illustrated by experiments. Particular attention is paid to those elements and compounds which are used in medicine or are of a poisonous character. Professor Coale.

2. Laboratory Work. Eight hours per week for one semester.

Each student during his course has assigned him a table and is

fully supplied with all necessary apparatus and chemicals, free of charge, except for breakage, which is charged at cost price.

The course of instruction embraces: (1) Training in the proper care and use of apparatus and in the manipulative processes used in the laboratory. (2) The experimental study of the more important elements and compounds, and the repetition of experiments performed in the course of lectures. (3) Instruction in the elements of qualitative analysis. Special attention is paid to the detection of the more important inorganic poisons. Professor Base and Dr. Kelly.

Second Year. *Organic and Physiological Chemistry.* 1. Lectures and recitations. One hour per week throughout the session.

This course includes the study of general organic chemistry with special attention to the more important carbon compounds which are of particular inportance to the student of medicine, with reference to their relations to physiology, pathology and clinical medicine. Professor Coale.

2. Laboratory Work. Six hours per week for one semester.

This includes a study of the properties of the food stuffs, their decomposition and metabolic products, digestion, the blood, chemistry of the secretions and excretions, and the various abnormal compounds resulting from perverted metabolism. The student will be expected to familiarize himself with the manipulation of the apparatus in use in the study of the various secretions, excretions and fluids of the body. Associate Professor Whitney.

Special Courses. *Original Investigation.* Graduates and advanced students competent to undertake such work, who desire to pursue special chemical investigation, will be given the opportunity, under suitable regulations, with the advice and assistance of the Instructors of the Department.

DEPARTMENT OF MATERIA MEDICA, PHARMACOLOGY AND THERAPEUTICS.

Arthur M. Shipley, M.D.....Professor of Materia Medica
E. L. Whitney, M.D.....Associate Professor of Pharmacology
William Caspari, Jr., Ph.G., M.D....Associate Professor of Materia Medica
H. L. Sinsky, M.D.....Demonstrator of Materia Medica
H. Boyd Wylie, M.D.....Assistant in Pharmacology

First Year. Two hours per week throughout the session are devoted to didactic lectures in materia medica proper, including the source, part used, habitat, active constituents, preparations and

doses. This course includes instruction in pharmacy and the student is familiarized with the ordinary preparations of drugs. Associate Professor Caspari.

Second Year. Two hours per week throughout the session to didactic instruction in materia medica, pharmacology and therapeutics. Professor Shipley.

The class is divided into sections and each section has two hours a week throughout the session in laboratory pharmacology.

The physiological action and toxicology of the more important remedial agents are observed on animals, and small sections of students work out these observations for themselves. Associate Professor Whitney and Dr. Wylie.

Prescription writing and the physical properties of drugs together with recitations and assigned work, one hour per week throughout the course. Dr. Sinsky.

Third Year. *Applied Therapeutics.* Lectures and conferences. One hour a week to entire class throughout the session.

This course is supplementary to the lectures on the Principles of Medicine, and an effort is made to familiarize the student with the practical treatment of disease. Associate Professor Lockard.

Physical Therapeutics. This course consists of weekly lectures and demonstrations on hydrotheraphy, thermotheraphy, massage, rest and exercise, the Weir Mitchell Treatment, radiotheraphy and electrotherapeutics. The basic physiologic principles and actions of the above mentioned agencies are given full consideration and study and the practical application is observed in the hospital and clinic and in visits to various institutions having well equipped departments for treatment by physical means. A few lectures on suggestions are also given as the subject properly belongs to such a course. Professor Gichner.

Fourth Year. *Applied Therapeutics.* During this year instruction in the treatment of diseased conditions by remedial agents forms a large part of the teaching of medicine and the medical specialties.

DEPARTMENT OF PATHOLOGY AND BACTERIOLOGY.

Jose L. Hirsh, A.P., M.D .....Professor of Pathology and Bacteriology
H. R. Spencer, M.D.....Associate Professor of Pathology and Bacteriology
Howard J. Maldies, M.D.....Associate in Pathology and Bacteriology
Isaac M. Macks, M.D.....Associate in Pathology and Bacteriology
Harry W. Stoner, M.D.....Lecturer on Bacteriology
Roscoe C. Metzel, M.D.....Assistant in Pathology and Bacteriology
Leo Karlinsky, M.D.....Assistant in Pathology and Bacteriology

Instruction in this department is given during the second and third years by lectures, laboratory work, quizzes, conferences and the demonstrations of fresh and prepared specimens, and in the fourth year by a clinical pathological conference.

Second Year. *Bacteriology.* Thirteen hours a week for eleven weeks. Lectures, 30 hours. Laboratory work, 113 hours, total 143 hours.

This subject is taught by lectures and practical laboratory work. The students are familiarized with the preparation of media, the cultivation, isolation and identification of bacteria and general laboratory technique as applied to clinical medicine. The important pathogenic micro-organisms are studied culturally with such non-pathogenic forms as are necessary for comparison. At intervals mixed cultures are given out to the class and the students are required to isolate and identify the bacteria in the mixture.

Animal inoculations and autopsies are performed in connection with the bacteria studied. Students will also perform and study the serum reactions used for diagnosis, complement fixation tests and vaccine therapy. In this course is included the technique of the bacterial examination of water and milk.

Pathology. This subject is taught in the second and third years with conferences in the fourth year. Lectures, 90 hours, laboratory work 212 hours, total 302 hours.

The course is divided as follows: Second Year. General pathology, including the study of inflammations, degenerations, circulatory disturbances, infective granulomata and tumors. Eight hours a week for nineteen weeks, total 152 hours.

This course extends from January to June. The greater part of the practical work is devoted to the study of the microscopic changes occurring in the above named conditions. Specimens for microscopic study are given to the students to be stained and mounted and this is supplemented by the study of gross material obtained from autopsies and from the museum. In this portion of the course an effort is made to train the students in the fundamental lesions and principles of pathology. Weekly throughout the course there is given a lecture accompanied by a demonstration with the projection apparatus. In addition to the laboratory work, there are held regular quizzes for which purpose the class is divided into small sections. Students are required to be present at autopsies which are held frequently, the University and Maryland General Hospitals furnishing a large amount of material.

THIRD YEAR. *Special Pathology.* Three hours a week during the entire year. In this course the special pathology of the organs and systems is studied under the same system as detailed above. Frequent lectures with the use of the projection apparatus and quizzes also accompany this course.

Students of the third year class are required to assist at autopsies and are trained in the proper technique of the conduct and recording of same.

FOURTH YEAR. Clinical and pathological conferences. One hour a week throughout the year, total 30 hours.

The specimens from autopsies are studied with reference to the clinical histories and the gross and microscopic anatomy. Special emphasis is laid upon the correlation of the anatomical findings with the clinical symptoms and diagnosis. The demonstrations are illustrated with sections of fixed material and cover slip preparations of exudates.

DEPARTMENT OF SURGERY AND SURGICAL SPECIALTIES.

RANDOLPH WINSLOW, A.M., M.D., LL.D.....Professor of Surgery
ARTHUR M. SHIPLEY, M.D.....Professor of Surgical Pathology
RIDGELY B. WARFIELD, M.D.....Professor of Practice of Surgery
FRANK MARTIN, B.S., M.D.....Professor of Clinical and Operative Surgery
J. D. BLAKE, M.D.....Professor of Clinical Surgery
ST. CLAIR SPRUILL, M.D.....Professor of Clinical Surgery
JOHN G. JAY, M.D.....Clinical Professor of Surgery
NATHAN WINSLOW, B.A., M.D.....Clinical Professor of Surgery
J. W. HOLLAND, M.D.....Lecturer on Clinical Surgery
J. C. LUMPKIN, M.D.....Associate in Clinical Surgery
H. C. BLAKE, M.D.....Associate in Operative Surgery
JOHN A. TOMPKINS, JR., M.D....Instructor in Minor Surgery and Bandaging
ROBERT P. BAY, M.D.....Instructor in Surgery
FRANK S. LYNN, M.D.....Instructor in Surgery
F. J. KIRBY, M.D.....Instructor in Surgery
FRED RANKIN, M.D.....Instructor in Surgery
S. GRIFFITH DAVIS, M.D.....Instructor in Anaesthesia

The course in surgery is progressive and aims to ground the student firmly in the principles of surgical science in order that later he may be prepared to build upon a firm foundation the superstructure of surgical art.

SECOND YEAR. During this year a practical course of bandaging is given upon the manikin; the student being required to apply personally the various forms of bandages to the different parts of the body.

THIRD YEAR. *Surgical Pathology and Principles of Surgery.* Lectures, recitations and clinics, three hours weekly at the University Hospital. The class is divided into sections and receives instruction in history taking and surgical diagnosis at the bedside at the Maryland General Hospital and the City Hospital at Bay View. Professor Shipley and Dr. Lynn.

Operative Surgery. Instruction is given in operative surgery upon the cadaver and on dogs. The class is divided into sections and each section is given practical and individual work under the supervision of the instructors.

This course begins with the study of the general principles of operative surgery; anaesthesia, asepsis, antisepsis, description of instruments and sutures, etc.

The various operations are first described and demonstrated by the instructor, and the student afterward practices them upon the subject.

The entire subject of operative surgery is fully covered. Professors Martin, Spruill, Clinical Professor N. Winslow and Dr. H. C. Blake.

Attendance upon surgical clinics and upon dispensary service is also expected when the student is not engaged in class work at the same hour.

FOURTH YEAR. *Practice of Surgery.* Illustrated by charts, drawings, pathological specimens, x-ray demonstrations, lantern slides and the balopticon, three hours a week. Professors Winslow and Warfield.

Surgical Clinics. Operative surgery and surgical diagnosis, three hours a week to entire class. Professors Winslow, Shipley, Warfield, Martin, Blake and Spruill.

The class is divided into sections for ward instruction in surgery, for instruction in operative surgery and surgical diagnosis, and the post-operative treatment of surgical conditions, four days a week for two hours each day. Professors Winslow, Shipley, Warfield, Martin, Blake and Spruill.

Dispensary instruction in the diagnosis and treatment of surgical ailments, two hours daily.

The administration of anaesthetics is taught didactically and practically and students are required to administer anaesthetics under the direction of an instructor. It is aimed to make the instruction during this year practical and to give the student first hand insight into the signs and treatment of surgical conditions. A large corps of able teachers and clinicians makes it possible to give unusually close attention to the practical clinical instruction of each student.

EYE AND EAR DISEASES.

HIRAM WOODS, A.M., M.D.....Professor of Ophthalmology and Otology
J. FRANK CROUCH, M.D....Professor of Clinical Ophthalmology and Otology
WM. TARUM, M.D.....Associate Professor of Ophthalmology and Otology
H. E. PETERMAN, M.D.....Associate in Ophthalmology and Otology
CLYDE A. CLAPP, M.D.....Associate in Ophthalmology and Otology
G. A. FLEMING, M.D.....Demonstrator of Ophthalmology and Otology
EDWARD A. LOOPER, M.D.....Assistant in Ophthalmology and Otology

EYE

THIRD YEAR. Instruction in anatomy, physiology and optics, illustrates by models, drawings, lantern slides, sections, etc., one hour each week for the first half of the second semester. During the last half of the second semester the class is divided into groups for demonstrations by sections, specimens, etc. of the anatomy and by models, drawings, etc. of the physiology of the eye, one hour each week for each section, Associate Professor Tarun.

FOURTH YEAR. Didactic lectures and recitations on diseased conditions of the eye; one hour each week for entire course, Professor Woods.

EAR

Lectures and recitations on anatomy, physiology and diseases of the ear, one hour each week during the first semester in addition to general clinic and section teaching mentioned below. Professor Crouch.

EYE AND EAR

Clinical lectures and recitations in diseases of the Eye and Ear one hour each week during the entire course. Professor Woods.

The class is divided into sections for instruction in diseases of the eye and ear daily throughout the course in the dispensaries of the University, Presbyterian Eye and Ear and Maryland General Hospitals.

DERMATOLOGY.

T. CASPAR GILCHRIST, M.R.C.S., L.S.A., M.D.....Professor of Dermatology
JOHN R. ABERCROMBIE, M.D.....Chief of Clinic
HARRY M. ROBINSON, M.D.....Assistant in Dermatology

Clinical conference one hour each week to entire class. This course will consist of demonstrations of the common diseases of the skin. Professor Gilchrist.

Every Monday, Wednesday and Friday from 2 to 3 p.m., clinics will be given in the Dispensary by Dr. John R. Abercrombie (Chief of Clinic) and Dr. Robinson, so that students can be taught in detail how to diagnose and treat the common skin diseases.

Books. Stelwagon, Schamberg, Jacobi's Atlas.

ORTHOPEDIC SURGERY.

R. Tunstall Taylor, M.D.....Professor of Orthopedic Surgery
Compton Riely, M.D.....Associate in Orthopedic Surgery
Sidney M. Cone, A.B., M.D.....Associate in Orthopedic Surgery
W. Saulsbury Niblett, M.D.....Assistant in Orthopedic Surgery
W. H. Daniels, M.D.....Assistant in Orthopedic Surgery
Geo. E. Bennett, M.D.....Assistant in Orthopedic Surgery

In this course didactic, clinical, bed-side and out-patient instruction will be given. This instruction will be given in the University Hospital Amphitheatre and Dispensary, Maryland General, at the Kernan Hospital and Industrial School for Crippled Children, at "Radnor Park," and Dispensary of same at 2000 North Charles Street. Twenty-eight weekly lectures will be given in the University Amphitheater to the senior class as a whole and sections will be assigned to the out-patient and bed-side clinics.

The course will cover instruction in special methods and instruments required in this surgical specialty, including x-ray technique; Wolff's law; tuberculosis of bones and joints; deformities of the feet; non-tubercular diseases and deformities of bones and joints; the paralyses; the bursal, tendonous and muscular conditions producing orthopedic affections; rickets, scurvy, osteomalacia and chondrodystrophies; wry-neck and the use and application of orthopedic apparatus.

DISEASES OF THE THROAT AND NOSE.

Samuel K. Merrick, M.D.....Professor of Diseases of the Throat and Nose
John R. Winslow, A.B., M.D., Professor of Diseases of the Throat and Nose
R. H. Johnston, A.B., M.D., Clinical Professor of Diseases of the Throat and Nose
H. C. Davis, M.D.....Demonstrator of Diseases of the Throat and Nose
George Murgatroyd, M.D....Assistant in Diseases of the Throat and Nose
H. W. Nicholson, M.D.....Assistant in Diseases of the Throat and Nose

Fourth Year. Clinical lectures. One hour each week through out the session. Professors Merrick and John R. Winslow.

Dispensary instruction in small sections, six hours each week at the University Hospital. Clinical Professor Johnston and Dr. Davis.

Dispensary instruction in small sections, six hours each week at the Maryland General Hospital. Drs. Murgatroyd and Nicholson.

GENITO-URINARY DISEASES.

GIDEON TIMBERLAKE, M.D.....Professor of Genito-Urinary Diseases
PAGE EDMUNDS, M.D.....Clinical Professor of Genito-Urinary Diseases
W. B. WOLF, M.D.....Associate Professor of Genito-Urinary Diseases.
A. J. UNDERHILL, M.D.....Instructor in Genito-Urinary
F. W. HOBLEMANN, M.D.....Assistant in Genito-Urinary Diseases

This course is entirely clinical and is taught chiefly in the dispensary. The student assumes the responsibility of certain cases under the supervision of instructors.

The course includes the diagnosis, pathology and treatment of venereal diseases and syphilis together with a careful study of the less common genito-urinary diseases. The course includes instruction in urinalysis, in endoscopic and cystoscopic examinations and the use of other instruments for the diagnosis and treatment of genito-urinary diseases. Many minor operations are performed in the out-patient department.

DISEASES OF THE COLON, RECTUM AND ANUS.

G. MILTON LINTHICUM, M.D.....Professor of Diseases of Rectum and Colon
J. DAWSON REEDER, M.D.....Associate in Diseases of Rectum and Colon
JOHN G. JEFFERS, M.D.....Instructor in Diseases of Rectum and Colon

FOURTH YEAR. This subject will be taught by lectures, recitations and ward classes. The lectures will cover the essential features of the anatomy and physiology of the large intestine, and its relation to the contiguous organs, and the system as a whole.

In small groups, the students will be taken into the amphitheater, wards and dispensaries of the University Hospital and the Maryland General Hospital, where different phases of the various diseases will be taught by direct observation and examination. The use of the proctoscope and sigmoidoscope in examination of the rectum and sigmoid will be made familiar to each one by its use by the student.

The methods of treatment, used in the office will be shown by treatment in the dispensary. Major and radical operative treatment will be given in the amphitheatre in such manner that the student can be a part of it. History taking will be emphasized.

DEPARTMENT OF MEDICINE AND MEDICAL SPECIALTIES.

Ernest Zueblin, M.D.....Professor of Medicine
David Streett, A.M., M.D.....Professor of Practice of Medicine
Charles W. Mitchell, A.M., M.D.....Professor of Clinical Medicine
Gordon Wilson, M.D.....Professor of Principles of Medicine
Harry Adler, B.A., M.D.....Professor of Clinical Medicine
J. M. Craighill, M.D.....Professor of Clinical Medicine
Jos. E. Gichner, M.D.....Professor of Clinical Medicine
Charles McElfresh, M.D.....Professor of Clinical Medicine
G. C. Lockard, M.D.....Associate Professor of Clinical Medicine
E. B. Freeman, S.B., M.D.....Associate Professor of Clinical Medicine
J. W. Cole, M.D.....Associate Professor of Clinical Medicine
Thomas W. Keown, A.B., M.D.....Associate Professor of Clinical Medicine
Wm. H. Smith, M.D.....Associate in Clinical Medicine
J. Somerville Fischer, A.B., M.D.....Associate in Clinical Medicine
W. I. Messick, M.D.....Lecturer on Clinical Medicine
R. C. Metzel, M.D.....Instructor in Medicine
G. S. M. Kieffer, M.D.....Instructor in Medicine
J. F. O'Mara, M.D.....Instructor in Medicine
H. W. Jones, M.D.....Instructor in Medicine
H. D. McCarty, M.D.....Instructor in Medicine
Wilbur P. Stubbs, M.D.....Instructor in Medicine
G. M. Settle, M.D.....Instructor in Medicine
J. W. Sanderson, M.D.....Assistant in Medical Topography

Second Year. Didactic lectures and practical demonstrations in medical topography and the physical conditions in health, preparatory to the course in physical diagnosis in the third year. Two and one-half hours each week during the second semester. Professor Zueblin.

Third Year. Didactic lectures and recitations on the principles of medicine, three hours a week throughout the session. Professor Wilson.

Applied Therapeutics. Lectures and conferences; one hour a week to entire class throughout the session.

This course is supplementary to the lectures on the principles of medicine, and an effort is made to familiarize the student with the practical treatment of disease. Associate Professor Lockard.

Clinical Medicine. Conference and recitations; one hour each week to entire class throughout the session. This course is supplementary to the lectures on the principles of medicine. Associate Professor Freeman.

Clinical conference; one hour each week throughout the session to the entire class. Professor Mitchell.

Physical Diagnosis. The class is divided into small groups, and each section receives instruction two hours each week for the entire

session in the medical dispensaries of the University and Maryland General Hospitals. During the second semester, the students under the supervision of the instructors in medicine examine and treat patients in the medical dispensary.

The class is divided into small groups and in the afternoons during one semester these groups are sent to the City Hospitals at Bay View and Maryland General Hospital for further instruction in history taking and physical diagnosis, one hour each week.

Fourth Year. Lectures, recitations and clinics, two hours a week to the entire class. Professors Street and Wilson.

Clinical conference one hour a week at the Maryland General Hospital. Professor Street.

Pathological-clinical conference, one hour a week to entire class. Professors Zueblin and Hirsh.

Clinical conference, one hour a week to entire class. Professor Zueblin.

The class is divided into sections for medical ward class instruction three hours each week throughut the session. Professors Zueblin, Street, Adler, Craighill, Gichner and McElfresh.

Dispensary Instruction. The medical dispensary is daily from 12 to 2 p.m., and the class is divided into small groups for practical instruction in the diagnosis and treatment of medical ailments. The dispensaries at the University and at the Maryland General Hospitals are available for this work.

Clinical Clerk Service. Each man is required to study carefully a number of cases during the course for presentation at the medical ward classes and clinics. This includes a written history and physical examination and examination of urine, blood, stomach contents and faeces. Professors Zueblin and Street.

DISEASES OF CHILDREN.

Charles W. Mitchell, A.M., M.D.....Professor of Pediatrics
Charles O'Donovan, A.M., M.D., LL.D.....Professor of Clinical Pediatrics
G. C. Lockard, M.D.....Associate Professor of Pediatrics
H. C. Hyde, M.D.....Lecturer on Pediatrics
J. Somerville Fischer, A.B., M.D.....Associate in Pediatrics
J. E. Poulton, M.D.....Associate in Pediatrics

Fourth Year. Lectures and recitations, two hours each week. Professors Mitchell and O'Donovan.

Clinical conference, one hour each week at University Hospital. Professor Mitchell.

The class is divided into groups and receives clinical instruction at the Maryland General Hospital and St. Vincent's Infant Asylum, three groups each week. Professor O'Donovan and assistants.

Dispensary instruction daily at the University Hospital. Drs. Lockard and Hyde.

DISEASES OF THE STOMACH AND INTESTINES AND OF METABOLISM.

John C. Hemmeter, M.D., Ph.D., Sc.D., LL.D., Professor of Clinical Medicine
A. H. Carroll, M.D.....Associate in Gastro-Enterology
Robert A. Warner, M.D.....Instructor in Gastro-Enterology
J. Harry Ulrich, M.D.....Instructor in Gastro-Enterology

This course consists of an out patient department or polyclinic in which the students of the graduating class are assigned weekly upon cases which they are directed to study and examine thoroughly and to report in person to the principal clinic once a week.

All physical, chemical and microscopic work is done by the student himself and the report is read, with the presentation of the patient, which is followed by a conference with the director of the clinic. Many of these reports were of such merit that they were published in the *Hospital Bulletin*, and they are made to figure in forming the general average of the student.

In addition to the ordinary diseases of the gastro-intestinal tract, this course embraces diseases of the soft tissues of the mouth and of the esophagus; gastroscopy; esophagoscopy and duodenal intubation.

NEUROLOGY.

Irving J. Spear, M.D.....Professor of Neurology
G. M. Settle, M.D.....Instructor in Neurology
C. Irwin Hill, A.B., M.D.....Instructor in Neurology
Milton P. Hill, M.D.....Instructor in Neurology
A. L. Fehsenfeld, M.D.....Assistant in Neurology
Harry A. Bishop, M.D.....Assistant in Neurology

Third Year. Lectures and recitations; one hour each week to entire class throughout the year. This course includes anatomy and physiology of the nervous system. The method of neurological examination and relationship of signs and symptoms to pathological conditions are taught. The material at the University, Maryland General and City Hospitals is available

Fourth Year. Lectures and recitations; one hour each week throughout the entire session, during which organic and functional

nervous diseases are taught at the University, Maryland General and City Hospitals at Bay View. All cases presented at these clinics are carefully examined; and complete written records are made by the students who demonstrate the case before the class. These cases are usually assigned one or two weeks before they are presented, and each student in the class, must prepare one or more cases during the year.

Ward Class Instruction. In small sections, two hours each week during entire year at the University and Maryland General Hospitals. In these classes the students come in close personal contact with the cases in the wards under the supervision of the instructors.

Dispensary Instruction. Small sections are instructed in the dispensary, four afternoons each week, in this way students are brought in contact with nervous diseases in their earlier as well as later manifestations.

Electro Therapeutics. Instruction in the uses of the various types of electrical apparatus is given by lectures and demonstrations in the clinics, ward classes and out patient department.

MEDICAL JURISPRUDENCE AND HYGIENE.

JOSEPH T. SMITH, M.D.....Professor of Medical Jurisprudence and Hygiene

SECOND YEAR. One hour each week for entire session.

Medical Jurisprudence. This course embraces consideration of medical evidence and testimony, confidential communications, malpractice, indications of death, pregnancy, delivery, infanticide and insanity.

Hygiene. This course embraces consideration of impurities in air, purification of air, lighting, heating, purification of water, filtration, removal of waste, disposal of sewerage, disinfectants, practical disinfection, food, preservation of food, beverages, exercise and clothing.

CLINICAL PATHOLOGY.

E. L. WHITNEY, M.D.....Associate Professor of Clinical Pathology
H. U. TODD, M.D.....Demonstrator of Clinical Pathology
H. BOYD WYLIE, M.D.....Assistant in Clinical Pathology

This is a practical laboratory course, with a portion of the time devoted to lectures. Eleven hours each week for one semester.

The practical application of chemistry, physical chemistry, physiology and microscopy to the diagnosis and study of disease is taught. Each student is required to make examinations of stomach contents, faeces, blood, urine, sputum, and exudates and transudates. Especial effort is made to show the relation of laboratory findings to the his-

tory and course of the disease as observed in clinical work. Haematology is taken up and haematological technique taught. Parasitology and its bearing on clinical medicine is considered. Serum changes in disease and immunity are also carefully outlined.

HISTORY OF MEDICINE.

EUGENE F. CORDELL, A.M., M.D.....Professor of History of Medicine

FIRST YEAR. Lecture, one hour each week throughout the course.

This course is designed for those just entering upon the study of medicine and will, therefore, be elementary. The lecturer will dwell specially upon the great epochs in the annals of medicine and upon the lives and achievements of the great men who have led the way in medical progress. He will endeavor to present the subject to the class in such a way as to arouse in their minds sentiments of pride and love for the profession which they have chosen, and by stimulating their enthusiasm and ardor in their studies, lighten the burden which is inevitable in the task before them.

TUBERCULOSIS OF THE LUNGS.

GORDON WILSON, M.D.....Professor of Principles of Medicine
JOHN E. O'NEILL, M.D.....Chief of Clinic

A practical course is given in the Dispensary and at the Municipal Tuberculosis Hospital to small groups in the diagnosis and treatment of pulmonary tuberculosis. The abundance of the material, both in incipient and advanced cases, makes this course of value in the practical recognition of the physical signs of the disease.

MENTAL DISEASES.

CHARLES G. HILL, A.M., M.D.....Professor of Psychiatry
J. CLEMENT CLARK, M.D.....Associate Professor of Psychiatry
J. PERCY WADE, M.D.....Associate in Psychiatry
FRANK W. KEATING, M.D.....Lecturer on Psycho-Asthenics
W. P. E. WYSE, M.D.....Lecturer on Psychiatry
C. IRWIN HILL, A.B., M.D.....Instructor in Psychiatry

FOURTH YEAR. Lectures and recitations; one hour each week throughout the session. During the first semester these lectures deal with the etiology and general symptomatology of mental diseases and during the second semester clinical lectures are given at the City Detention Hospital, Spring Grove Asylum, Springfield State Hospital, Mt. Hope Retreat and the Maryland Training School for the Feeble Minded.

STATE MEDICINE.

JOHN S. FULTON, A.B., M.D.....Professor of State Medicine

FOURTH YEAR. Lectures and demonstrations; one hour each week to the entire class throughout the session.

The course in state medicine begins with a study of structure and function of the social organism, as revealed by the numerical analysis of population, births, deaths, sickness and migration. Elementary instruction and practice are given in vital statistics; in medical notification, registration and certification; and in the laws and ordinances concerning public health. The specific hygiene of the preventable diseases is next taken up, such choice being made as will familiarize the student with the epidemiology of the more important communicable diseases, and with the main instruments of prevention; notification, inspection, segregation, isolation, immunization and disinfection. The course is planned from the viewpoint of official practice in public hygiene.

TROPICAL MEDICINE.

JAMES A. NYDEGGER, A.M., M.D., Sc.D., Surgeon U.S.P.H. Service, Professor of Tropical Medicine

A course of lectures on tropical diseases to the Senior class was instituted in January, 1913, and continued during the remainder of the scholastic year. Eminent authorities on various subjects of this important branch of medicine delivered lectures during the course, and will continue to deliver lectures during the coming year; one hour each week to the Senior class.

This addition to the curriculum has been made because of the increasing importance of Tropical Diseases; because of the large number of students from southern states attending the school, and because a large number of graduates of this school enter the U. S. Public Health Service and the Army and Navy Medical Corps, and many find employment as civil practitioners in tropical and subtropical countries.

The course includes a thorough and comprehensive discussion of the history, etiology, pathology, morbid anatomy, differential diagnosis, treatment and prophylaxis (with lantern slide illustrations) of the more important tropical diseases, such as amebic and bacillary dysentery, Asiatic cholera, plague, yellow fever, trypanosomiasis (sleeping sickness) filariasis, piroplasmosis, beri beri, dengue, pellagra, leprosy, hook-worm, bilharzia, rocky mountain or tick fever, sprue,

spirochætosis, etc., and a study of the various parasites affecting both man and animals.

Clinical lectures, presentation of cases, exhibition of specimens and practical methods of demonstrating the protozoa and parasites causing tropical diseases will also be given.

DEPARTMENT OF OBSTETRICS.

L. E. Neale, M.A., M.D., LL.D.....Professor of Obstetrics
J. M. H. Rowland, M.D.....Professor of Clinical Obstetrics
J. K. B. E. Seegar, M.D.....Associate in Obstetrics
J. M. Delevett, M.D.....Instructor in Obstetrics
H. S. Gorsuch, M.D.....Instructor in Obstetrics
H. M. Freeman, M.D.....Chief of Out-patient Department

Third Year. Lectures and recitations three hours each week by Professors Neale and Rowland to entire class.

Operative obstetrics (manikin work) one hour each week by Professor Neale and assistants to class sections.

Special obstetric and gynaecologic pathology, two hours each week by Professor Hirsh and H. J. Maldeis to class sections in the Pathologic laboratory.

Obstetric diagnosis (clinical) three hours each week at University of Maryland Hospital by Professor Neale and three hours each week at Maryland Lying-In Hospital by Professor Rowland to class sections.

Fourth Year. Clinical Conference, one hour each week by Professors Neale and Rowland at University Hospital and Maryland Lying-In Hospital to entire class.

Students are required to attend obstetric cases before, during and after confinement both in the University Hospital and the Maryland Lying-In Hospital as well as the out patient department associated with both hospitals and each student will be required to conduct and make accurate records of at least ten confinement cases seen under the personal supervision of one of the physicians connected with this department.

There are about 1200 obstetric cases annually available for teaching purposes and the student is afforded opportunities for instruction in this most important branch of medical science which are equalled by very few other schools in this country.

There are ample accommodations in both hospitals for public and private patients.

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J. Mason Hundley, M.D.....Professor of Clinical Gynecology
H. W. Brent, M.D.....Associate in Gynecology
E. H. Hayward, M.D.....Associate in Gynecology
R. G. Willse, M.D.....Instructor in Gynecology
W. K. White, M.D.....Instructor in Gynecology
R. L. Mitchell, M.D.....Instructor in Gynecology
S. H. Streett, S.B., M.D.....Instructor in Gynecology
J. M. Fenton, M.D.....Assistant in Gynecology
Maurice Lazenby, A.B., M.D.....Assistant in Gynecology

Third Year. Lectures, one hour each week throughout the course, thirty-two hours. Professor Ashby.

The class is divided into sections for recitations and conferences one hour each week. Drs. Brent, Hayward, Willse, Mitchell, Streett, and Fenton.

Fourth Year. Clinics and ward classes daily throughout the course in the amphitheatres and wards of the University and Maryland General Hospitals. Professors Ashby, Perry and Hundley.

Dispensary Instruction. The class is divided into small groups and receives instruction daily in the out patient departments of the University and Maryland General Hospitals.

THE UNIVERSITY OF MARYLAND HOSPITAL TRAINING SCHOOL FOR NURSES.

Ethel P. Clark, R.N., M.U.H. '06.
Superintendent of Training School.
Mary E. Sullivan, R.N., M.U.H. '11.
Assistant Superintendent.

The University of Maryland Hospital Training School for Nurses offers a three years' course of training.

Those wishing to obtain the course of instruction must apply personally or by letter to the Superintendent of Nurses, who will furnish printed instructions respecting the personal information to be given by applicants. Letters of application should be accompanied by a statement from a clergyman testifying to good moral character and from a physician certifying to sound health and unimpaired faculties. Applicants must be between twenty-two and thirty-five years of age, of at least average height and physique, and must give satisfactory evidence of fitness in disposition and temperament for the work of nursing.

If approved, applicants are received into the school for a period of six months on probation during which time demonstration classes are held and they are given instruction in the elementary part of the training.

Classes are formed and pupils are received in the spring and autumn.

High school graduates and women of higher education are given the preference. Their superior preparation makes them better fitted for the opportunities that are opening up in the profession of nursing. Graduates of this school are elegible for Red Cross and all Government work.

The Superintendent of Nurses decides as to the fitness of probationers for the work and the propriety of retaining or dismissing them and she may at any time determine the connection of a pupil with the school in case of misconduct, inefficiency or neglect of duty.

Except under special circumstances failure to pass the examinations at the end of the first year is considered a sufficient cause for the termination of a student's connection with the school.

Students reside in the home and serve as assistants in the various departments of the Hospital for the full three years. They are expected to perform any duty assigned to them by the Superintendent of Nurses.

After the months of probation, students are required when on duty, to wear the dress prescribed by the Hospital which is blue and white striped gingham, with white apron and cap and linen collar and cuffs. Probationers are not allowed to wear this dress.

Day Nurses are on duty from 7 a.m. to 7 p.m with one-half hour for dinner and three hours for rest and recreation. They are given an afternoon each week and part of every Sunday. Each student is required to devote at least one hour daily to lecture, class work or study. A vacation of three weeks is allowed each year.

In sickness all students are cared for gratuitously, but the time so lost must be made up.

The course of training includes practical instruction in the nursing of medical, surgical, orthepedic, gynaecological patients, obstetrics, the nursing of children and the operating room work.

A course of lectures is given by the physicians and surgeons of the University and class instruction with demonstrations by the Superintendent of Nurses and her assistants. Examinations are held at stated periods

When the full term of three years is ended, the nurses thus trained will be at liberty to choose their own fields of labor, whether in hos-

pitals, in private families, or in the various branches of social work which offer such tremendous opportunities for the woman of abilty. A diploma is given upon completion of course of training.

In addition to board, lodging and a reasonable amount of laundry work, each student receives an allowance of $5.00 per month to defray the expenses of uniforms, text-books, etc. incidental to her training.

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MARTHA MISIKOFSKI	*Maryland*
WILLIE BROWN HULL	*Virginia*
EVELYN HOUSTON CHASE	*Virginia*
EDITH MILDRED BROWNELL	*Rhode Island*
ADELAIDE CAROLINE COWARD	*North Carolina*
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GOLDA GLENEITH PRICE	*Virginia*
MARY RENNIE	*Maryland*
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MARY MYRTLE SELBY	*Maryland*
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This Board is incorporated by act of the Legislature of the State, its legal title being "The Trustees of the Endowment Fund of the University of Maryland," and is independent and self-perpetuating, filling itself its vacancies. Its powers are limited *to the expenditure of the interest derived from the fund,* which is to be applied in the discretion of the Board for the benefit of the University. Contributions, donations and bequests are solicited from Alumni and friends. They may be made to the general or University Fund to the Medical Fund or to any other department of the University. If intended for the School of Medicine, they may be given to the general medical

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I give, devise and bequeath to the Regents of the University of Maryland, a corporation incorporated under the laws of the State of Maryland, for the benefit of the Faculty of Physic.....

(Here state amount or describe property.)

To Endowment Fund.

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UNIVERSITY OF MARYLAND MEDICAL DEPARTMENT.

All alumni in good standing are eligible to membership.

The membership fee is $1.00 per annum, payable in March.

The annual meetings are held on or about Commencement Day, and an orator will be selected to deliver an address upon these occasions.

The Banquet, which follows the delivery of the oration, is a reunion of old classmates, to which members who have paid their dues in full and candidates who have paid their initiation fee are admitted without extra charge.

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YOUNG MEN'S CHRISTIAN ASSOCIATION

OF THE

UNIVERSITY OF MARYLAND.

J. E. Evans, *President.*

This Association since its establishment, seventeen years ago, has steadily grown in numbers and influence and has met a need of College life.

All students of any Department of the University are eligible to membership as actives or associates, which membership includes special privileges in the City Association.

The Association now occupies comfortable rooms in one of the buildings of the University.

Bible and Mission Classes are maintained by the Association throughout the College year, and every effort is exerted to promote Christian character and morality.

A committee of members will be on hand at the opening of the session to welcome new students to the University, and will also be glad to render assistance in the way of securing comfortable rooms, boarding houses, etc., and to extend any other courtesies possible.

All young men who intend to enter the University are cordially invited to share in the privileges of the Association, and to address the officer named below, who will be glad to furnish any information desired regarding the Association and its work, and to render any assistance in his power, and upon arriving in the city are requested to make themselves known as soon as possible.

J. E. Evans, *President.*
University of Maryland, Baltimore, Md.

UNIVERSITY OF MARYLAND.

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St. John's College, Annapolis, Md.

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The regular Winter Session begins on October 1 of each year, and continues until the following May.

The requirements for admission are the same as in all other reputable dental colleges.

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Matriculation and Tuition Fees, per Session, $150.00.

For information and annual catalogue, address T. O. Heatwole, M.D., D.D.S., Dean, Baltimore, Md.

UNIVERSITY OF MARYLAND

LAW DEPARTMENT.

FORTY-THIRD ANNUAL SESSION.

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MARYLAND COLLEGE OF PHARMACY, 1841-1904.

THE SEVENTIETH ANNUAL SESSION WILL OPEN SEPTEMBER 29, 1913.

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UNIVERSITY HOSPITAL

UNIVERSITY OF MARYLAND—GENERAL VIEW

UNIVERSITY OF MARYLAND

ONE HUNDRED AND EIGHTH ANNUAL ANNOUNCEMENT

OF THE

SCHOOL OF MEDICINE

N. E. Corner Lombard and Greene Streets

BALTIMORE, MARYLAND

SESSION 1914-1915

BALTIMORE
WILLIAMS & WILKINS COMPANY
1914

MARYLAND GENERAL HOSPITAL

The School of Medicine of the University of Maryland

1914

CALENDAR.

One Hundred and Eighth Annual Session.

1914.

June 1 to September 30.—Daily Clinics at University Hospital.
October 1.—Regular Session begins.
October 12.—Re-examination of Deficient Students and Examination for Advanced Standing.
November 25.—Thanksgiving Recess begins. 6 p.m.
November 30.—Thanksgiving Recess ends. 9 a.m.
December 23.—Christmas Recess begins. 6 p.m.

CHRISTMAS RECESS.

1915.

January 4.—Lectures resumed. 9 a.m.
May 10.—Final Examinations begin.
June 1.—Commencement, Annual Meeting of Alumni Association.

DEPARTMENTS

OF THE

UNIVERSITY OF MARYLAND.

THE UNIVERSITY is represented by five departments, each having a distinct Faculty of Instruction.

1st. The College of Liberal Arts at Annapolis, Md. St. John's College, Annapolis Md., founded in 1696, has by affiliation become the Department of Arts and Sciences. The curriculum leads to the degree of Bachelor, or Master of Arts or Sciences.

2d. The School of Medicine in Baltimore, Md. This school was established in Baltimore, Md., in 1807, and offers a high-grade course in medicine, extending over a period of four years, and leading to the degree of Doctor of Medicine.

3d. The School of Law in Baltimore, Md. This school, founded in 1812 and reorganized in 1869, is designed by means of a course of study covering three years to qualify its students for the degree of Bachelor of Laws and for an intelligent practice of the Law.

4th. The Department of Dentistry was founded in 1882, and is designed to teach the art of dentistry as an integral part of the School of Medicine. The course of study leading to the degree of Doctor of Dental Surgery covers a period of three years.

5th. The Department of Pharmacy was established in 1840 as the Maryland College of Pharmacy, and affiliated with the School of Medicine in 1904. The course of study covers two years, and leads to the degree of Doctor of Pharmacy.

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G. S. M. Kieffer, M.D., Associate in Histology and Embryology.
J. Percy Wade, M.D., Associate in Psychiatry.
A. J. Underhill, A.B., M.D., Associate in Genito-Urinary Diseases.
W. I. Messick, M.D., Associate in Therapeutics and Clinical Medicine.
G. W. Hemmeter, M.D., Associate in Physiology.
Robert P. Bay, M.D., Associate in Surgery.
F. S. Lynn, M.D., Associate in Surgery.
Henry Chandlee, M.D., Associate in Radiography.
J. R. Abercrombie, M.D., Associate in Dermatology.
Frank W. Keating, M.D., Lecturer on Psycho-Asthenics.
H. W. Stoner, M.D., Lecturer on Bacteriology.
W. P. E. Wyse, M.D., Lecturer on Psychiatry.
W. G. Queen, M.D., Lecturer on Osteology.
H. L. Sinsky, M.D., Lecturer on Materia Medica.
G. A. Fleming, M.D., Demonstrator of Ophthalmology and Otology.
H. C. Davis, M.D., Demonstrator of Diseases of the Throat and Nose.
W. F. Sowers, M.D., Demonstrator of Histology and Embryology.
H. U. Todd, M.D., Demonstrator of Clinical Pathology.
G. M. Settle, M.D., Demonstrator of Neurology and Clinical Medicine.
R. C. Metzel, M.D., Demonstrator of Medicine.
G. S. M. Kieffer, M.D., Demonstrator of Medicine.
J. F. O'Mara, M.D., Demonstrator of Medicine.
H. D. McCarty, M.D., Demonstrator of Medicine.
Wilbur P. Stubbs, M.D., Demonstrator of Medicine.
R. G. Willse, M.D., Demonstrator of Gynecology.
H. Boyd Wylie, M.D., Demonstrator of Clinical Pathology and Pharmacology.
George Murgatroyd, M.D., Demonstrator of Diseases of the Throat and Nose.
Arthur G. Barrett, M.D., Demonstrator of Surgery.
Harry M. Robinson, M.D., Demonstrator of Dermatology.
L. W. Ketron, M.D., Demonstration of Dermatology.
J. F. Hawkins, M.D., Instructor in Neurology.
F. J. Kirby, M.D., Instructor in Surgery.
W. K. White, M.D., Instructor in Gynecology.
R. L. Mitchell, M.D., Instructor in Gynecology.
Fred Rankin, M.D., Instructor in Surgery.
Milton P. Hill, M.D., Instructor in Neurology.
H. S. Gorsuch, M.D., Instructor in Obstetrics.
John G. Jeffers, M.D., Instructor in Diseases of the Rectum and Colon.
S. H. Streett, S.B., M.D., Instructor in Gynecology.
Christian Deetjen, M.D., Instructor in Radiography.
S. Griffith Davis, A.B., M.D., Instructor in Anaesthesia.
J. Harry Ulrich, M.D., Instructor in Gastro-Enterology.
L. H. Douglas, M.D., Instructor in Gynecology.
H. J. Walton, M.D., Instructor in Radiography.
W. H. Daniels, M.D., Instructor in Orthopedic Surgery.

George E. Bennett, M.D., Instructor in Orthopedic Surgery.
Edward A. Looper, M.D., D.Oph., Instructor in Ophthalmology and Otology.
R. C. Metzel, M.D., Assistant in Pathology and Bacteriology.
Leo Karlinsky, M.D., Assistant in Pathology and Bacteriology.
J. M. Fenton, M.D., Assistant in Gynecology.
S. A. Bain, M.D., Assistant in Dermatology.
Maurice Lazenby, A. B., M.D., Assistant in Gynecology.
W. Saulsbury Niblett, M.D., Assistant in Orthopedic Surgery.
A. L. Fehsenfeld, M.D., Assistant in Neurology.
Harry A. Bishop, M.D., Assistant in Neurology.
E. G. Marr, M.D., Assistant in Laryngology and Rhinology.
J. E. Brumback, M.D., Assistant in Medicine.
Wm. L. Byerly, M.D., Assistant in Genito-Urinary Diseases.
H. L. Kolseth, M.D., Assistant in Surgery.
J. D. Bubert, M.D., Assistant in Surgery.
R. E. Abell, M.D., Assistant in Anatomy.

UNIVERSITY HOSPITAL STAFF.

Attending Surgeons.

Prof. Randolph Winslow — Prof. Frank Martin
Prof. Arthur M. Shipley — Prof. J. D. Blake
Prof. Ridgely B. Warfield — Prof. St. Clair Spruill
Clin. Prof. Nathan Winslow

Attending Physicians.

Prof. Charles W. Mitchell — Prof. Harry Adler
Prof. John C. Hemmeter — Prof. Charles O'Donovan
Prof. David Streett — Prof. J. M. Craighill
Prof. Ernest Zueblin — Prof. Jos. E. Gichner
Prof. Gordon Wilson — Prof. Charles W. McElfresh

Attending Gynecologists.

Prof. Thomas A. Ashby — Prof. W. B. Perry
Prof. J. Mason Hundley

Attending Obstetricians.

Prof. L. E. Neale — Prof. J. M. H. Rowland

Attending Ophthalmologists.

Prof. Hiram Woods — Prof. J. Frank Crouch

Attending Laryngologists.

Prof. Samuel K. Merrick — Prof. John R. Winslow
Clin. Prof. R. H. Johnston

Attending Proctologist.

Prof. G. Milton Linthicum.

Attending Orthopedist.

Prof. R. Tunstall Taylor.

Attending Neurologist.

Prof. Irving J. Spear.

Attending Genito-Urinary Surgeons.

Prof. Gideon Timberlake — Clin. Prof. Page Edmunds
Associate A. J. Underhill

Attending Pathologists.

Prof. Jose L. Hirsh — Associate, H. J. Maldeis

Attending Radiologists.

Henry Chandlee, M D. — H. J. Walton, M.D.

RESIDENT STAFF.

William J. Coleman, M.D., *Medical Superintendent.*

Resident Surgeons

H. A. Codington, M.D.
Elmer Newcomer, M.D.
R. L. Johnson, M.D.
Charles R. Edwards, M.D.
T. McC. Davis, M.D.
Hugh E. Clark, M.D.

Resident Physicians

C. W. Rauschenbach, M.D.
William M. Stahl, M.D.
Claud B. Hicks, M.D.
Bruce H. Guistwhite, M.D.

Resident Gynecologists.

James A. Duggan, M.D.
Roland S. Clinton, M.D.

Maternity Department

H. M. Freeman, M.D., Chief Resident Obstetrician.

Resident Obstetricians

A. S. Coleman, M.D.
Joseph F. Munnerlyn, M.D.

Resident Pathologists.

Alfred Mordecai, M.D.
Eugene L. Horger, M.D.

CLINICAL ASSISTANTS FOR 1914-1915.

Louis A. Buie, A.B. ..... *Georgia*	George R. Patrick ..... *North Carolina*
Louis Diener. ..... *Virginia*	Alberto G. deQuevedo..... *Cuba*
George H. Dorsey. ..... *Maryland*	M. Raskin ..... *Georgia*
F. F. Foard..... *North Carolina*	Hickman Ray..... *North Carolina*
N. B. Hendrix, A.M.. ..... *South Carolina*	George W. Rice ..... *Maryland*
Robert B. Hill, M.A. ..... *North Carolina*	J. D. Robinson, A.B..... *North Carolina*
W. H. Jenkins..... *Virginia*	Playford L. Rush ..... *Maryland*
Thomas S. Kean ..... *Maryland*	Louis W. Schreiber..... *Maryland*
R. R. Kerkow..... *West Virginia*	E. Howard Tonolla..... *Maryland*
LeRoy Lewis ..... *South Carolina*	Bascom L. Wilson..... *North Carolina*
J. Alexander Lipnick..... *Maryland*	Mark V. Ziegler, A.B. ..... *Maryland*

The total number of patients treated in the Hospital during the year 1913-14 was 7144.

MARYLAND GENERAL HOSPITAL STAFF.

Rev. Robert L. Wright, *Superintendent.*

Visiting Staff.

Surgeons.

Prof. Randolph Winslow — Prof. Frank Martin
Prof. Arthur M. Shipley — Prof. John D. Blake
Prof. Ridgely B. Warfield — Prof. St. Clair Spruill

Associates.

Nathan Winslow, M.D. — H. C. Blake, M.D.
J. C. Lumpkin, M.D. — A. G. Barrett, M.D.

Physicians.

Prof. Charles W. Mitchell — Prof. Harry Adler
Prof. John C. Hemmeter — Prof. A. C. Pole
Prof. David Streett — Prof. Charles O'Donovan
Prof. Ernest Zueblin — Prof. J. M. Craighill
Prof. Gordon Wilson — Prof. Jos. E. Gichner
Prof. Chas. W. McElfresh

Associates.

Thos. W. Keown, A.B., M.D. — J. E. Brumback, M.D.
J. Somerville Fischer, A.B., M.D. — Wm. T. Riley, M.D.
J. E. Poulton, M.D.

Neurologists.

Prof. Charles G. Hill — Prof. Irving J. Spear

Associates.

J. Clement Clark, M.D. — J. Percy Wade, M.D.
W. P. E. Wyse, M.D.

Laryngologists.

Prof. S. K. Merrick — Prof. John R. Winslow

Obstetricians.

Prof. L. E. Neale — Prof. J. M. H. Rowland

Gynecologists.

Prof. Thomas A. Ashby — Prof. W. B. Perry
Prof. J. Mason Hundley

Associates.

E. H. Hayward, M.D. S. H. Streett, S.B., M D.
Maurice Lazenby, A.B., M.D.

Ophthalmologists.

Prof. Hiram Woods Prof. J. Frank Crouch

Associates.

H. E. Peterman, M.D. Clyde A. Clapp, M.D.
R. D. West, M.D.

Proctologist.

Prof. G. Milton Linthicum.

Associate.

John G. Jeffers, M.D.

Radiologist.

John Evans, M.D.

Dermatologist.

E. R. Strobel, A.B., M.D.

Urologists.

W. B. Wolf, M.D Prof. Gideon Timberlake

Orthopedic Surgeon.

Sidney M. Cone, A.B., M.D.

Pathologists.

Assoc. Prof. H. R. Spencer N. D. C. Lewis, M. D.

Chief of House Staff.

John Evans, M.D.

Resident Staff.

J. B. Culverhouse, M.D.
John S. Fenby, M.D.
Chas. C. Ayres, M.D.
Austin H. Wood, M.D.
C. H. Douthirt, M.D.
Wm. B. Blanchard, M.D.
C. A. Young, M.D.
J. E. Dull, M.D.

THE JAMES LAWRENCE KERNAN HOSPITAL AND INDUSTRIAL SCHOOL OF MARYLAND FOR CRIPPLED CHILDREN.

R. Tunstall Taylor, B.A., M.D., *Surgeon-in-Chief.*
W. Saulsbury Niblett, M.D. *Resident Surgeon and Superintendent.*
W. B. Hunter, M.D., *Assistant Surgeon.*
W. H. Daniels, M.D., *Dispensary Surgeon.*
Miss M. M. Taylor, R.N., *Head Nurse.*
Miss Ada B. Mosby, *Principal of School.*

Plastic Surgeon.

John Staige Davis, M.D.

Attending Physician.

A. D. Atkinson, M.D.

Attending Surgeon.

Frank Martin, M.D.

Attending Laryngologists.

John R. Winslow, M.D. Richard H. Johnston, M.D.

Attending Urologist.

Gideon Timberlake, M.D.

Attending Oculist and Aurist.

William Tarun, M.D.

Consulting Surgeons.

L. McLane Tiffany, M.D. W. S. Halsted, M.D.
Randolph Winslow, M.D. J. M. T. Finney, M.D.

Consulting Physicians.

Thomas R. Brown, M.D. Llewellys F. Barker, M.D.
Thomas B. Futcher, M.D. Charles W. Mitchell, M.D.
William S. Thayer, M.D.

Consulting Oculist.

Hiram Woods, M.D.

Consulting Laryngologist.

John N. Mackenzie, M.D.

STAFF OF THE CITY HOSPITALS AT BAYVIEW.

Thomas R. Boggs, S.B., M.D., *Physician-in-Chief.*

Arthur M. Shipley, M.D., *Surgeon-in-Chief.*

Gordon Wilson, M.D., *Physician-in-Chief to the Municipal Hospital for Tuberculosis.*

Milton C. Winternitz, A.B., M.D., *Pathologist.*

Consulting Staff.

Ophthalmologist.

James J. Mills, M.D.

Laryngologist.

Frank Dyer Sanger, M.D.

Otologist.

William Tarun, M.D.

Neurologist.

Henry M. Thomas, M.D.

Gynecologists.

Edward H. Richardson, M.D. Hugh W. Brent, M.D.

Urologists.

Gideon M. Timberlake, M.D. John T. Geraghty, M.D.

Dermatologist.

E. A. Strobel, M.D.

Pediatrician.

John Ruhräh, M.D.

ST. VINCENT'S INFANT ASYLUM.

Visiting Physicians.

Charles O'Donovan, A.M., M.D. — P. F. Martin, M.D.
Eugene H. Hayward, M.D. — J. E. Poulton, M.D.
J. K. B. E. Seegar, M.D.

Visiting Surgeons.

Frank Martin, M.D. — John D. Blake, M.D.
R. B. Warfield, M.D.

Visiting Oculists and Aurists.

J. Frank Crouch, M.D. — Clyde A. Clapp, M.D.

Visiting Orthopedic Surgeons.

Sydney M. Cone, A.M., M.D. — Compton Riely, M.D.

Visiting Pathologists.

Sydney M. Cone, A.M., M.D. — G. C. Lockard, M.D.
H. R. Spencer, M.D.

Resident Interne.

John A. Maxwell.

MARYLAND LYING-IN HOSPITAL.

Prof. L. E. Neale
Prof. J. M. H. Rowland, *Obstetricians.*

Associates.

J. K. B. E. Seegar. M.D. — H. S. Gorsuch, M.D.

Resident Obstetrician.

W. D. R. Brandon, M.D.

UNIVERSITY HOSPITAL DISPENSARY STAFF.

John Houff, M.D., *Dispensary Physician.*

Ernest Zueblin, M.D., *Professor of Medicine.*
S. R. Clark, M.D., L. H. Douglass, M.D., *Chiefs of Clinic.*
W. G. Clopton, M.D., Edward Kerr, M.D., *Assistants.*

John G. Jay, M.D., *Chief of Clinic to the Professor of Surgery.*
R. P. Bay, M.D., Frank S. Lynn, M.D., *Assistant Chiefs of Clinic.*
Fred Rankin, M.D., Thos. L. Phillips, M.D., R. E. Abell, M.D., *Assistants.*

G. C. Lockard, M.D., *Chief of Clinic to the Professor of Pediatrics.*
L. H. Douglas, M.D. *Assistant Chief of Clinic.*
J. A. Skladowsky, M.D., J. R. Wanner, M.D., *Assistants.*

H. W. Brent, M.D., W. K. White, M.D., R. L. Mitchell, M.D., R. G. Willse, M.D., *Chiefs of Clinic to the Professor of Diseases of Women.*

Wm. Tarun, M.D., *Chief of Clinic to the Professor of Eye and Ear Diseases.*
E. A. Looper, M.D., W. G. Queen, M.D., *Assistants.*

J. R. Abercrombie, M.D., *Chief of Clinic to the Professor of Dermatology.*
H. M. Robinson, M.D., L. W. Ketron, M.D., *Assistants.*

A. H. Carroll, M.D., *Chief of Clinic to the Professor of Diseases of the Stomach.*
J. Harry Ulrich, M.D., *Assistant.*

R. H. Johnston, A.B., M.D., *Clinical Professor of Diseases of the Throat and Nose.*
H. C. Davis, M.D., *Chief of Clinic to the Professor of Diseases of the Throat and Nose.*
H. L. Sinsky, M.D., *Assistant.*

Compton Riely, M.D., Sidney M. Cone, A.B., M.D., *Chiefs of Clinic to the Professor of Orthopedic Surgery.*
Walter S. Niblett, M.D., *Assistant.*

Gideon Timberlake, M.D., *Professor of Genito-Urinary Diseases.*
A. J. Underhill, M.D., *Chief of Clinic.*
Wm. L. Byerly, M.D., *Assistant.*

Irving J. Spear, M.D., *Professor of Neurology.*
George M. Settle, M.D., *Chief of Clinic.*
A. L. Fehsenfeld, M.D., Harry A. Bishop, M.D., *Assistants.*

J. Milton Linthicum M.D., *Professor of Diseases of Rectum and Colon.*
J. D. Reeder, M.D., *Chief of Clinic of Diseases of Rectum and Colon.*

John E. O'Neill, M.D., *Chief of Pulmonary Tuberculosis Clinic.*

Mr. A. D. Johnson, *Secretary to the Dean and Superintendent of College Buildings*

MARYLAND GENERAL HOSPITAL DISPENSARY STAFF

ROBERT L. BLAKE, M.D., *Dispensary Chief.*

Medicine.

JOHN S. FISCHER, A.B., M.D., T. W. KEOWN, M.D. J. R. BRUMBACK, M.D.

Surgery.

ARTHUR G. BARRETT, M.D., H. L. KOLSETH, M.D., J. D. BUBERT, M.D.

Nose, Throat and Chest.

GEO. W. MURGATROYD, M.D. E. G. MARR, M.D.

Diseases of Children.

PROF. CHARLES O'DONOVAN
J. L. FISCHER, A.B., M.D. W. H. DANIELS, M.D.

Dermatology.

EDGAR R. STROBEL, M.D. SAMUEL A. BAIN, M.D.

Gynecology.

SIDNEY H. STREETT, M.D. J. M. FENTON, M.D.
EUGENE HAYWARD, M.D. MAURICE LAZENBY, M.D.

Orthopedic Surgery.

SIDNEY M. CONE, M.D.

Diseases of Eye and Ear.

CLYDE A. CLAPP, M.D. R. D. WEST, M.D.

Genito-Urinary Diseases.

W. B. WOLF, M.D. F. W. HOBLEMAN, M.D.

Proctology.

PROF. G. MILTON LINTHICUM JOHN G. JEFFERS, M.D.

MATRICULATES FOR 1913-1914.

POST GRADUATES AND SPECIAL STUDENTS.

NAME	STATE
WILLIAM HENRY AYLER	*Maryland*
HARRY RAYMOND BROLL	*Maryland*
GEORGE SMITH CONDIT, M.D.	*Pennsylvania*
WM. E. FAHRNEY, M.D.	*Virginia*
F. J. FISHER	
WILLIAM GEORGE GILLSON	*New Jersey*
THOS. BRANTLEY HENDERSON, M.D.	*Virginia*
JAMIL FANNUS LAHUM	*Palestine*
EPIFANIO LO PORTO	*New York*
ROBERT J. MARESCA	*New Jersey*
JOAQUIN MAYORAL	*Cuba*
WILLIAM ARCHIBALD MORRIS	*New York*
A. J. ORTIZ	*Porto Rico*
BRUCE WOODY RUTROUGH	*Virginia*
WM. C. CHOWNING, M.D.	*Florida*

FOURTH YEAR CLASS.

AGNEW, JOHN ROBERT	*New York*
ARMSTRONG, CHARLES WALLACE	*North Carolina*
AYRES, CHARLES C	*Maryland*
BALART-CROS, ANTONIO	*Cuba*
BARBER, YATES M	*Virginia*
BAYNES, RALPH HENRY	*North Carolina*
BERNSTEIN, FREDERICK	*New York*
BISHOP, GEORGE WILLIAM, A.B.	*Maryland*
BLAKE, LOWRIE WILSON	*South Carolina*
BLANCHARD, WILLIAM B	*Connecticut*
BOGART, CLARK STETSON	*Pennsylvania*
BRADLEY, THERON ROBERT, PH.G.	*New York*
BRANDON, WILLIAM DAVID ROCKWELL	*North Carolina*
BROGDEN, JAMES CHESTER, A.B.	*South Carolina*
BROTMAN, MORTON M	*New Jersey*
BYERS, HORACE WELLINGTON	*North Carolina*
CALDWELL, JOHN C.	*South Carolina*
CASILLI, ARTURO	*New York*
CASLER, FRANK GLEN	*West Virginia*
CHENOWETH, B. MOFFETT	*West Virginia*
CHURCH, FREDERICK E	*Massachusetts*
CLARK, HAYNSWORTH D	*Florida*
CLARK, HUGH E	*Virginia*
CLINTON, ROLAND S	*North Carolina*
COBLEIGH, HARRY R. C	*Massachusetts*
COLEMAN, ALEXANDER C	*Georgia*
COLTRANE, JOHN WILBORN	*North Carolina*
COOK, E. LECOMPTE	*Maryland*

Name	State
Council, Wilford A. Hall	*Virginia*
Cremin, Lawrence Dennis	*New York*
Crist, George Bruce	*Maryland*
Culverhouse, John Burnett	*Massachusetts*
Dailey, Gilbert L.	*Pennsylvania*
D'Angelo, Benedetto F.	*New York*
Davis, Theodore McCann	*South Carolina*
Denny, Walter L., Jr	*Maryland*
Dobson, James Furman	*South Carolina*
Douthirt, Crawford Haywood	*North Carolina*
Dovell, Chauncey Elmo	*Virginia*
Dull, James Earle	*Pennsylvania*
Echeverria y Mora, Jose Ramon	*Cuba*
English, John Matthew Francis	*Rhode Island*
Esslinger, Richard I., Phar. D.	*Maryland*
Fenby, John Smith	*Maryland*
Gannon, Clarence L	*New York*
Gennell, Ernest	*New Jersey*
Gillson, Hugh Vincent, A.B.	*New York*
Glover, Victor Leslie	*West Virginia*
Grant, H. Clifford	*North Carolina*
Grazier, George Garland	*Pennsylvania*
Guistwhite, Bruce H	*Pennsylvania*
Guzman, Manuel, Jr	*Porto Rico*
Habliston, Charles Carroll, Phar. D	*Maryland*
Hassell, Cecil S	*North Carolina*
Henderson, Clair Crouse	*North Carolina*
Hicks, Claud B., A.B.	*North Carolina*
Hoak, Warner H	*Pennsylvania*
Hoke, Clarence C., A.B., A.M.	*Maryland*
Holstein, Aaron Louis	*New Jersey*
Horger, Eugene Leroy, A.B.	*South Carolina*
Johnson, Raymond Lovejoy, Ph.G	*Florida*
Katzenberger, James Wesley, A.B	*Missouri*
Levin, Morris Benjamin	*Maryland*
Lewis, Nolan D.C.	*Pennsylvania*
Liggett, Bayard Lee, M.D.	*West Virginia*
Limbaugh, Louie Mixson	*Florida*
Love, Samuel Glenn	*South Carolina*
Lutz, John Francis, A.B.	*Maryland*
Lynch, George Boyce	*North Carolina*
McFadden, Albert D	*Alabama*
McKinney, Harold Napoleon	*North Carolina*
McLellan, William Edwin	*Massachusetts*
Magruder, Charles L.	*Maryland*
Metcalfe, Challice Haydon	*Maryland*
Miller, Byron Y	*Vermont*
Mooers, Harold Alonzo	*District of Columbia*
Mordecai, Alfred	*North Carolina*
Munnerlyn, Joseph Francis, A.B.	*South Carolina*
Nance, Fuller	*Maryland*
Norment, Richard Baxter, Jr	*Maryland*
O'Neill, John Charles	*Connecticut*
Ostro, Marcus	*Delaware*
Pinto, Nicholas W.	*New Jersey*
Portuondo, Albert L.	*Cuba*
Pushkin, Benjamin	*Maryland*
Rice, William Frederick	*North Carolina*
Richards, Walter L	*Maryland*
Rieger, Ernest M. G.	*New York*

Name	State
Roman-Benitez, Manuel	*Porto Roco*
Romeu, Ernesto	*Porto Rico*
Saadeh, Nejib Abbas	*Syria*
Sarinas, Faustino	*Philippine Islands*
Schapiro, Abraham	*Pennsylvania*
Schaun, Paul Edward	*Maryland*
Schnuck, Harry	*Maryland*
Smith, Marcus Duke	*Maryland*
Stahl, William Martin	*Connecticut*
Stapleton, W. Pierce	*New Jersey*
Stein, Harry	*Maryland*
Stephens, Charles M.	*Pennsylvania*
Stewart, Emmet James	*Maryland*
Susaki, Jirakichi, M.D.	*Japan*
Timanus, George Loutrell	*Maryland*
Tolleson, Clarence C.	*Arizona*
Troxler, Raymond M.	*North Carolina*
Updike, Ernest H	*West Virginia*
Vinson, Porter Paisley, B.S., M.A.	*North Carolina*
Walsh, William S.	*Rhode Island*
Wanner, Jesse R	*Maryland*
Warner, Howard Hoge	*Maryland*
Whitesides, W. Carl	*South Carolina*
Williams, David Tressler	*Virginia*
Wilkinson, Vernon Stevens	*Maryland*
Wilson, Frank Minium	*Maryland*
Wilson, Frank W.	*North Carolina*
Wood, Austin H.	*Pennsylvania*
Young, Charles A	*Maryland*

THIRD YEAR CLASS.

Anderson, Franklin B	*Maryland*
Armstrong, Ralph H	*Pennsylvania*
Arnold, J. Bruce, Jr	*Maryland*
Bailin, Robert	*New York*
Benard, Alberto, A.B.	*Nicaragua*
Bennett, J. A.	*Virginia*
Blackmer, Jocelyn William	*North Carolina*
Braverman, Abraham	*Maryland*
Bridgers, Harvey C	*North Carolina*
Bridges, William Arthur, B.S	*North Carolina*
Buie, Louis Arthur, B.A.	*South Carolina*
Burleson, William Brown	*North Carolina*
Byrnes, Thomas Eusebius	*Massachusetts*
Calladine, Thomas M., Jr	*New York*
Childs, Charles Chapin	*New York*
Clinkscales, Reuben Calhoun	*South Carolina*
Cohen, Ralph	*Washington, D. C.*
Cohn, Charles A., D.D.S.	*Pennsylvania*
Condon, Vernon H.	*Maryland*
Crook, Charles S	*Maryland*
Demarco, Vincent	*Mississippi*
Diebolder, Oscar Andrew	*Germany*
Diener, Louis	*Virginia*
Dominguez, Thomas	*Porto Rico*
Dorsey, George Hamilton	*Maryland*
Downey, J. Frank	*Massachusetts*
Durkin, Patrick A	*Rhode Island*

Name	State
Eby, John Cyril, Phar. D.	*Maryland*
Egan, Michael Joseph, Jr.	*Georgia*
Ellner, David	*New York*
English, Samuel M	*Pennsylvania*
Etzler, Dorsey Paul	*Maryland*
Flickinger, William H	*Pennsylvania*
Floyd, F. F.	*North Carolina*
Foard, Frederick T., Jr	*North Carolina*
Fritz, Gustav A	*Maryland*
Gagnon, Arthur J	*Rhode Island*
Garrido, Manuel	*Porto Rico*
Gatsopoulos, Peter N	*Massachusetts*
Gilbert, Harry Jesse	*New Jersey*
Gillett, Harold E.	*New York*
Ginsburg, Jacob B	*Maryland*
Goldman, Harry	*Maryland*
Gonzalez, Carlos	*Porto Rico*
Gordy, Lyle Leland	*Maryland*
Greenberg, S. H.	*California*
Grossman, Louis W	*Pennsylvania*
Hay, Edward F	*Pennsylvania*
Hendrix, Nevins Byford, A.B., A.M.	*South Carolina*
Higgins, Gerald Leo	*New Jersey*
Hill, Robert Burns, B.S., M.A	*North Carolina*
Hughes, Samuel S	*North Carolina*
Hundley, Frank S	*Maryland*
Jenkins, Ralph H	*Maryland*
Jenkins, William H	*Virginia*
Jenrette, Wendell Vivien	*North Carolina*
Johnson, Robert W	*South Carolina*
Johnson, Willie Robert	*South Carolina*
Jones, Milton E	*Maryland*
Justice, J. I	*West Virginia*
Kelley, Bernard Richard	*Connecticut*
Kerkow, Roy Robinson	*Washington, D. C.*
Krantz, Herman Warner	*Connecticut*
Labares, Gregory, A. B	*Philippine Islands*
Lackey, Franklin Harris	*North Carolina*
Lane, Edgar Winslow, B. S.	*North Carolina*
Lanich, Lloyd J.	*Pennsylvania*
Lewis, LeRoy	*South Carolina*
Linhardt, Oscar V.	*Maryland*
Lipnick, J. Alexander	*Maryland*
Lowry, John A. B.	*North Carolina*
McCullough, Kenneth	*Delaware*
McGuffie, Charles R	*West Virginia*
McKenna, William H	*Rhode Island*
McReynolds, A. E.	*Illinois*
Machin, Frank Herman	*Maryland*
Massanet, Carlos L	*New York*
Maxwell, John A., A.B.	*Connecticut*
Mellor, Royal B	*Maryland*
Merkel, Henry Anton	*Maryland*
Meyers, Lloyd R	*Pennsylvania*
Miller, William Cleveland	*Pennsylvania*
Moffett, Daniel Bruce, A.B	*Alabama*
Morrow, Thomas Lacy	*North Carolina*
Moses, Charles Howard	*Pennsylvania*
Myers, Charles W	*Pennsylvania*
Myers, M. W.	*Maryland*

Name	State
Naumann, Albert A	*Massachusetts*
Neale, Vivian J	*Maryland*
O'Neill, Joseph T	*Massachusetts*
Patrick, George R	*North Carolina*
Pinkerton, Frank Coulson	*Virginia*
Pole, Charles A	*Maryland*
Porter, Lyman R	*Maryland*
Prickett, Clarence J	*West Virginia*
de Quevedo, Alberto Garcia	*Porto Rico*
Raskin, Moses	*Georgia*
Ray, Hickman	*North Carolina*
Rice, George William	*Maryland*
Riordan, Arthur Hatton	*Massachusetts*
Robinson, John Daniel, A.B	*North Carolina*
Ross, George P	*Maryland*
Rothrock, Walter Roswell	*Pennsylvania*
Ruark, William Thomas	*North Carolina*
Rush, Playford L	*Maryland*
Sanders, Lucius Carl	*South Carolina*
Scher, Isidor	*New York*
Schreiber, Louis Walter	*Maryland*
Scimeca, Salvatore	*New York*
Shafer, Ralph	*Maryland*
Shannon, Samuel Dennison	*Maryland*
Sharkey, Myles Bernard	*New York*
Shipley, Frank E., A.B	*Maryland*
Sima, Charles Edward	*Maryland*
Sloan, William Henry, B.S	*North Carolina*
Snyder, Samuel	*Pennsylvania*
Stern, Max E	*New York*
Street, Russell Barber	*Connecticut*
Stringer, John Thomas	*Virginia*
Studebaker, David Clemington	*Pennsylvania*
Tonolla, E. Howard	*Maryland*
Umpierre, Ramon C	*Porto Rico*
Van Poole, Carl M	*North Carolina*
Waff, Joseph Judson, B.S	*Virginia*
Warner, Theodore Blanchard	*Maryland*
White, Clarence S	*West Virginia*
Williams, William F., Jr	*Maryland*
Wilson, Bascom L	*North Carolina*
Woodland, John C., Phar. D	*Maryland*
De Yoanna, Alfred Aurelius	*New York*
De Yoanna, Saverio Aurelio	*New York*
Zeller, Eugene Joshua Karl	*Maryland*
Ziegler, Mark Victor, A.B	*Maryland*

SECOND YEAR CLASS.

Alvarez, Jose A	*Porto Rico*
Arnest, Richard Turberville	*Virginia*
Baldwin, Anton, Jr	*Maryland*
Bennett, Percival Robert	*North Carolina*
Benson, Edward Hayes	*Maryland*
Bickley, William Ernest, A.B	*South Carolina*
Birely, Lewis Adam	*Maryland*
Bishop, Everett Lassiter, B.S	*Georgia*
Blumberg, Jacob	*New York*
Boi en, Henry L	*Massachusetts*
Bowden, George Abner	*Maryland*

Name	State
Bray, Thomas Latham	*North Carolina*
Brooke, Charles Robert	*Maryland*
Brown, Thomas E	*Pennsylvania*
Brumbaugh, Benjamin B., Phar. D	*Maryland*
Burton, Charles Hammon	*Maryland*
Campo, Tony R	*New York*
Carrasquillo, Honorio F	*Porto Rico*
Cavello, Michael E	*New York*
Chandler, James Jennings, A.B	*South Carolina*
Cole, Lewis F	*New York*
Cudd, James E., A.B	*South Carolina*
Davidson, William B	*Rhode Island*
Davis, Philip Du Mond	*New York*
Day, Samuel Thomas, Jr	*New Jersey*
Dillon, William J	*Massachusetts*
Dooley, George Edward	*Connecticut*
Evans, John E., A.B	*South Carolina*
Eyestone, Fred L	*Ohio*
Feinglos, Israel	*Maryland*
Ferneyhough, Willie Todd	*Virginia*
Ferry, Bernard J	*Pennsylvania*
Folk, Robert Hamilton, A.B	*South Carolina*
Glatzau, Lewis W	*Pennsylvania*
Grant, David Swain	*North Carolina*
Growt, Bowers H	*Louisiana*
Gwynn, George Humphrey, Jr	*Florida*
Gwynn, Humphrey Wilson	*Florida*
Hammer, Howell I., Ph.G	*Maryland*
Hammond, Harry Howard	*New York*
Hanigan, S. Roscoe	*Pennsylvania*
Hawn, Albert Gaither	*North Carolina*
Hennessy, Jay Tyrrell	*New York*
Herrington, D. J., Ph.G	*North Carolina*
Hodges, Henry Stuart	*North Carolina*
Hutton, Daniel C	*North Carolina*
Jacobson, Benard S	*Maryland*
Jarman, Alonzo Russell	*North Carolina*
Knapp, Lee Henry	*New Hampshire*
Knowles, J. R	*Maryland*
Laplanche, Ernest R	*Maryland*
Lay, Juan Alfonso	*Cuba*
Lazenby, Allen D	*Maryland*
Light, Ellsworth Emmett	*Massachusetts*
Long, Clark Samuel	*Pennsylvania*
Lovely, Bernard Henry	*New Hampshire*
Lowsley, Augustus S	*California*
McCamey, Kenneth Ewing	*Pennsylvania*
Marino, Frank Christian	*Maryland*
Mason, Frank Ebaugh	*Maryland*
Mayo, Woodward B	*Utah*
Mejias, Francisco J	*Porto Rico*
Melroy, Raymond Shields	*Pennsylvania*
Michael, Marion Harlan	*Maryland*
Miller, John E	*Vermont*
Mitchell, Edward Kellers	*South Carolina*
Mitchell, Henry Stanley	*Maryland*
Nevling, A. Boynton	*Pennsylvania*
Nicholson, Frank P	*New York*
Nicklas, John M	*Maryland*
Noell, Robert Holman	*North Carolina*

Name	State
O'Brien, J. Gerald	*Maryland*
Oddo, Vincent	*Massachusetts*
Oduber, Jacob	*Dutch West Indies*
O'Malley, William F	*New York*
Pasuth, Bartholomew Charles	*Connecticut*
Payaval, Juan L.	*Philippine Islands*
Penabaz, Jose A. Fernandez, A.B	*Cuba*
Penabaz, Fernando, A.B	*Cuba*
Phillips, Elmer Thomas	*Ohio*
Pruitt, Samuel O., A.B	*South Carolina*
de Quevedo-Rios, Manuel Garcia	*Porto Rico*
Reier, Adam William	*Maryland*
Reifschneider, Charles Adam	*Maryland*
Rever, William B.	*Maryland*
Rigby, Cecil, B.S	*South Carolina*
Roberts, Joseph John	*Connecticut*
Rogers, Herbert W.	*Virginia*
Rolenson, Julio R.	*Porto Rico*
Ruzicka, F. Frederick, A.B	*Maryland*
Santos-Buch, Angel M.	*Cuba*
Savannah, Joseph G.	*New Jersey*
Shaffer, Stewart S	*Pennsylvania*
Sharpe, Horace W	*New York*
Short, Noah H.	*West Virginia*
Sosa, J. C., Jr	*Porto Rico*
Stein, Harry Milton	*New Jersey*
Strandberg, Herbert Lawrence	*New Jersey*
Taylor, Alfred Charles	*West Virginia*
Thomas, Edward Philip	*Maryland*
Thompson, Edwin Brice	*Ohio*
de Veer, Gerard, Jr	*Dutch West Indies*
Voss, Norwood Warner, A.B	*Maryland*
Wellman, Harrison M.	*Pennsylvania*
Whittle, William Oscar	*Virginia*
Yaffe, Benjamin M.	*Maryland*

FIRST YEAR CLASS.

Albert, Arthur Clinton	*West Virginia*
Alegre-Carbo, Pablo, Ph.G	*Cuba*
Armstrong, Fred F.	*Connecticut*
Arrillaga, Carlos.	*Porto Rico*
Audet, Charles Henry	*Massachusetts*
Ayd, Joseph Michael	*Maryland*
Ayon, Rafael	*Nicaragua*
Bampfield, Fred J	*Canada*
Barishaw, Samuel.	*New Jersey*
Bocanegra-Lopez, Eufemio N	*Porto Rico*
Bonner, Octavius Blanchard	*North Carolina*
Bristow, Charles Oliver	*South Carolina*
Bronushas, Ipolitas B.	*Maryland*
Burrows, Ernest	*Massachusetts*
Carlin, Edward J. M.	*New Jersey*
Carroll, Harry Roland	*Maryland*
Cooper, Frank Hamilton	*Washington*
Coulon, Frank N.	*New Hampshire*
Covey, William Crocket	*West Virginia*
Crawford-Frost, John Ings	*Maryland*
Crothers, John Christie	*Maryland*
Cuesta, Manuel, A.B	*Mexico*

Name	State
Dalton, William Burnett	*North Carolina*
Darby, William Arthur	*Maryland*
Daves, John Thomas	*Virginia*
Dillon, William M	*New York*
Doyle, Joseph Francis	*New Hampshire*
Duffy, Vincent Paul	*West Virginia*
Easter, Clay Miller Rust	*Virginia*
Eisenberg, Albert	*Maryland*
Ephraim, Myer	*Maryland*
Fay, Daniel Edgar	*Maryland*
Fazenbaker, Anderson Johnson	*Maryland*
Fernandez-Garcia, Luis Jorge	*Porto Rico*
Frost, Nugent George	*Massachusetts*
Giesen, John Jacob	*Virginia*
Gleason, John Louis	*Connecticut*
Hays, Harry Warren	*West Virginia*
Hedrick, Erlond H	*West Virginia*
Holmes, James	*Maryland*
Houde, Arthur J	*Massachusetts*
Huff, Wheeler O	*Maryland*
Isaacs, Raphael Harris	*Maryland*
Kaufman, Edgar Wayne	*Pennsylvania*
Kennedy, George Francis	*Massachusetts*
Leiva, Carlos Esteban	*Cuba*
Lockridge, Raymond Bedfort	*West Virginia*
McCormick, J. B	*New York*
MacGregor, Allan W	*Connecticut*
Martin, John Willis	*Maryland*
Martinez-Rodriguez, Jose	*Porto Rico*
Meech, Samuel W	*Maryland*
Merrick, Frank X	*Pennsylvania*
Miller, Daniel	*Maryland*
Moran, Arthur Bernard	*Connecticut*
Morgan, Zachariah Raphael	*Maryland*
Morisey, Raymond Faison	*North Carolina*
Mulcahy, Francis J	*Massachusetts*
Muniz, Felix R., Jr	*Porto Rico*
Murray, Fenwick Hall	*Maryland*
Nagournez, Leon	*New York*
Nathanson, Wolf I	*New York*
Nolan, Francis Fabian	*Virginia*
Norris, J. Edward	*Maryland*
Ogden, Frank Nevin	*Maryland*
Peeler, Casper Smith, B.S	*Florida*
Porro, Adalberto C	*Cuba*
Porterfield, Marvin H	*West Virginia*
Power, Maurice J	*Massachusetts*
Reddig, Clarence Mansfield, Ph.B	*Pennsylvania*
Reitzel, Elbert Coy	*North Carolina*
Reynolds, Paul Emerson	*Maryland*
Rigau, Gabriel	*Porto Rico*
Rodriguez, Antonio, Jr	*Porto Rico*
Russell, Frank J	*Maryland*
Scull, Edmund Smith	*Virginia*
Shayte, Louis	*Maryland*
Silverstein, Max	*New Jersey*
Skilling, John Galen	*Maryland*
Smith, Leroy Henry	*Maine*
Sorin, Israel C	*New Jersey*
Stein, Albert	*Massachusetts*

Name	State
Tarkington, Grayson E.	*Arkansas*
Thomas, Kelly Clifton	*North Carolina*
Thoner, John George	*West Virginia*
Van Kirk, William	*West Virginia*
Vaughan, George Washington	*Maryland*
Weaver, Edward Fern, A.B	*Maryland*
Welch, Robert S. G	*Maryland*
Wheeler, Howard Lawrence	*Maryland*
Whistler, Edward Livingston, A.B	*Pennsylvania*
White, George Lawrence	*Maryland*
Wolff, Carl Otto, A.B	*North Carolina*
Wolford, Roy Azariah	*West Virginia*
Woltz, Charles Roderick	*Virginia*
Wood, James Russell	*North Carolina*
Worrell, Churchill Freeman	*Virginia*
Yost, Ernest Lee	*West Virginia*

GENERAL SUMMARY OF STUDENTS ATTENDING THE UNIVERSITY OF MARYLAND, SESSION OF 1913-1914.

Department of Arts and Sciences (St. John's College)	195
School of Medicine	472
Department of Law	452
Dental Department	179
Department of Pharmacy	76
Training School for Nurses	85
Total	1459

GRADUATES JUNE 1, 1914.

John Robert Agnew.....*New York*
Charles Wallace Armstrong..*North Carolina*
Charles Carlin Ayres.....*Maryland*
Antonio Balart y Cros.....*Cuba*
Yates Middleton Barber.....*Virginia*
Ralph Henry Baynes.....*North Carolina*
George William Bishop.....*Maryland*
Lowrie Wilson Blake.....*South Carolina*
William B. Blanchard.....*Connecticut*
Clark Stetson Bogart.....*Pennsylvania*
Theron Robert Bradley.....*New York*
William David Rockwell Brandon
North Carolina
James Chester Brogden.....*South Carolina*
Morton Maier Brotman.....*New Jersey*
Horace Wellington Byers....*North Carolina*
John Cabeen Caldwell.....*South Carolina*
Arturo Casilli.....*New Jersey*
Haynsworth Dowling Clark.....*Florida*
Hugh Edgar Clark.....*Virginia*
Roland Smith Clinton.....*North Carolina*
Alexander Stuart Matheson Coleman
Georgia
Everett Le Compte Cook.....*Maryland*
Wilford A. Hall Councill.....*Virginia*
Lawrence Dennis Cremin.....*New York*
George Bruce Crist.....*Maryland*
John Burnett Culverhouse....*Massachusetts*
Gilbert Lagoria Dailey.....*Pennsylvania*
Benedetto Francis D'Angelo.....*New York*
Walter L. Denny, Jr.....*Maryland*
Theodore McCann Davis.....*South Carolina*
James Furman Dobson.....*South Carolina*
Cranford Haywood Douthirt.....*Maryland*
C. Elmo Dovell.....*Virginia*
J. Earle Dull.....*Pennsylvania*
Jose Ramon Echeverria y Mora.....*Cuba*
John Mathew Francis English..*Rhode Island*
Richard I. Essinger.....*Maryland*
John Smith Fenby.....*Maryland*
Hugh Vincent Gillson.....*New York*
Victor Leslie Glover.....*West Virginia*
H. Clifford Grant.....*North Carolina*
George G. Grazier.....*Pennsylvania*
Bruce Hetrick Guistwhite.....*Pennsylvania*
Charles Carroll Habliston.....*Maryland*
Cecil Starke Hassell.....*North Carolina*
Clair Crouse Henderson.....*North Carolina*
Claude Bernard Hicks.....*North Carolina*
Clarence Calvin Hoke.....*Maryland*
Aaron Louis Holstein.....*New Jersey*
Eugene Leroy Horger.....*South Carolina*
Raymond Lovejoy Johnson.....*Florida*
James Wesley Katzenberger.....*Missouri*
Morris Benjamin Levin.....*Maryland*
Nolan D. C. Lewis.....*Pennsylvania*
Bayard Lee Liggett.....*West Virginia*
Louie Mixson Limbaugh.....*Florida*
Samuel Glen Love.....*South Carolina*
John Francis Lutz.....*Maryland*
George Boyce Lynch.....*North Carolina*
Charles Lowe Magruder.....*Maryland*
Challice Haydon Metcalfe.....*Maryland*
Byron Y. Miller.....*Vermont*
Alfred Mordecai.....*North Carolina*
Joseph F. Munnerlyn.....*South Carolina*
Albert David McFadden.....*Alabama*
William Edwin McLellan.....*Maryland*
Fuller Nance.....*Maryland*
Richard Baxter Norment, Jr.....*Maryland*
John Charles O'Neill.....*Connecticut*
Marcus Ostro.....*Delaware*
Nicholas William Pinto.....*New Jersey*
Benjamin Pushkin.....*Maryland*
Will F. Rice.....*North Carolina*
Walter Leland Richards.....*Maryland*
Ernesto Romeu Ortiz.....*Porto Rico*
Najib Alfred Saadeh.....*Syria*
Faustino Sarinas y Del Rosario
Philippine Islands
Abraham Schapiro.....*Pennsylvania*
Marcus Duke Smith.....*Maryland*
William Martin Stahl.....*Connecticut*
Harry M. Stein.....*Maryland*
Charles Manfred Stephens.....*Pennsylvania*
Emmet James Stewart.....*Maryland*
George Loutrell Timanus.....*Maryland*
Clarence C. Tolleson.....*Maryland*
Raymond Moody Troxler.....*North Carolina*
Porter Paisley Vinson.....*North Carolina*
William Sebastian Walsh.....*Rhode Island*
Jesse R. Wanner.....*Maryland*
Howard Hoge Warner.....*Maryland*
William Carl Whitesides.....*South Carolina*
David Tressler Williams.....*Virginia*
Frank Minium Wilson.....*Maryland*
Frank W. Wilson.....*North Carolina*
Vernon Stevens Wilkinson.....*Maryland*
Austin H. Wood.....*Pennsylvania*
Charles Augustus Young.....*Maryland*

PRIZEMEN.

University Prize—*Gold Medal*.....Theodore McCann Davis

Certificates of Honor.

Morris Benjamin Levin,
Austin H. Wood,
Richard Baxter Norment,
Porter Paisley Vinson,
William Sebastian Walsh.

UNIVERSITY OF MARYLAND.

The School of Medicine of the University of Maryland is one of the oldest institutions of medical education in America, having been chartered in 1807, under the title of the College of Medicine of Maryland.

Five years later, in 1812, by authority of the General Assembly of Maryland, the College of Medicine of Maryland was empowered to annex to itself three other colleges or faculties, viz: The Faculty of Divinity, the Faculty of Law, and the Faculty of Arts and Sciences, and the four faculties or colleges thus united were "constituted an University by the name and under the title of the University of Maryland."

The Medical School of the University is thus its oldest department and ranks fifth, in point of age, among the medical colleges of the United States.

Throughout the century of its existence it has always taken rank as one of the leading medical colleges of the South, and among the most widely known and most highly honored of the schools of medicine of the country.

Beginning with the modest number of five, composing the first graduating class in 1810, the list of graduates in medicine of the University of Maryland, now numbers six thousand and twelve names, drawn from all parts of the United States and from abroad, among which are to be found some of the most noted names connected with the history of medicine in our country.

While from the foundation of the University of Maryland, the policy of the Faculty of Physic has been one of wise conservatism, it has, at the same time, never been behindhand in the march of educational progress, and while retaining for so long a time as they were of real value, those features of older educational methods which were wisest and best, they have often been first, and always among the first, in the adoption of all measures tending to improvement in methods of medical teaching, and to true elevation of the standard of medical education.

In illustration of this the following facts may be mentioned:

It established one of the first Medical Libraries and the first Medical College Library in the country (1813).

It was among the very first to provide for adequate clinical instruction by the erection of its own hospital, available at all times for the use of students (1823).

The School of Medicine of the University of Maryland was the first medical school in America to make dissecting a compulsory part of the curriculum (1833).

It was the first to give instruction in Dentistry (1837).

It was among the first to meet the modern demand for instruction in specialties (1866).

It was the first medical school in America to establish separate and independent chairs of Diseases of Women and Children (January, 1867) and of Eye and Ear Diseases (1873).

It was among the first to teach Hygiene and Medical Jurisprudence (1883).

It is the aim of the present Faculty of Physic of the University of Maryland to carry out this policy established by its predecessors.

With this end in view, the Faculty has, in the last few years, expended, and is now expending, large amounts in the establishment and equipment of its Lying-in Hospital, its Laboratories of Chemistry, Histology, Pathology and Bacteriology, in the erection of the University Hospital, which was completed in 1897, and in the erection of a new Laboratory Building, recently completed.

By arrangement between the two institutions, The Baltimore Medical College, established thirty-two years ago and having over two thousand graduates, has been merged with the School of Medicine of the University of Maryland.

By this arrangement the members of the Faculty of this well known institution become teachers in the School of Medicine of the University of Maryland, which takes over the equipment of the Baltimore Medical College and succeeds to all the clinical privileges which it formerly enjoyed in a number of general and special hospitals, thereby greatly increasing and improving the facilities for instruction in all departments.

All graduates of the Baltimore Medical College are now eligible for membership in the General Alumni Association of the University of Maryland.

The Faculty is therefore in position to offer to students of medicine and graduates a course of combined didactic, clinical and labo-

ratory instruction which will compare favorably with that offered by any medical school in the United States.

The details of this course will be found in the following announcement of the one hundred and eighth annual course of instruction of the School of Medicine of the University of Maryland.

CLINICAL INSTRUCTION.

Throughout the entire period of existence of the School of Medicine of the University of Maryland, clinical teaching has always been a prominent and important feature in the course of instruction.

The ownership and exclusive control by the Faculty of Physic of the University Hospital and the Maternity Hospital of the University of Maryland, the exclusive control of the clinical facilities in the Maryland General and Maryland Lying-In Hospitals, and the clinical privileges enjoyed by the University in the Presbyterian Eye, Ear and Throat Charity Hospital, the James Lawrence Kernan Hospital and Industrial School of Maryland for Crippled Children, the City Hospitals at Bay View, St. Vincent's Infant Asylum and other institutions for the care of the sick in and near the city, place the Faculty in a position to make unusually prominent this important feature of a medical course, and have enabled it to organize and carry into effect a system of thorough clinical teaching whereby each member of the several class sections is brought into direct personal contact with the cases under examination.

In addition to the regular daily clinical lectures in the amphitheater, much attention is given to this strictly bedside instruction.

The students, in small classes, are required to accompany the physician or surgeon through the wards of the hospital, and are there trained in making diagnosis, in the dressing of wounds, the application of splints, plaster jackets and other appliances, and in the handling of the many instruments used in the diagnosis and treatment of disease.

In the Dispensaries and Out-patient Departments, students have similar opportunities of familiarizing themselves with methods of diagnosis and treatment in the various specialties of medicine and surgery, and of observation of such cases as do not require confinement in bed.

There is a separate building devoted to the out-patient depart-

ments of Medicine and Diseases of Children, and there are two obstetrical clinics with both ward and out-patient facilities.

To the student of medicine the value of the training and encouragement thus afforded him in habits of close and accurate observation, of self-possession and self-reliance, in the future practice of his profession, can hardly be overestimated.

HOSPITALS AND DISPENSARIES.

UNIVERSITY HOSPITAL.

The University Hospital, which is the property of the Faculty of Physic of the University of Maryland, is the oldest institution for the care of the sick in the State of Maryland. It was opened in September, 1823, under the name of the Baltimore Infirmary, and at that time consisted of but four wards, one of which was reserved for eye cases. By successive additions this hospital was increased to more than fourfold its original accommodations, there being added to it a large clinical amphitheater, a students' building for the accommodation of the thirty clinical assistants, and a nurses' building for the accommodation of the pupils of the Training School for Nurses. The yearly increase in the number of patients seeking admission to the hospital, however, more than kept pace with the increase in accommodations, and the Faculty therefore erected an entirely new and modern hospital of fully double the capacity of the former building.

The University Hospital is constructed of brick and Tennessee limestone in the Colonial style of architecture, fronting 175 feet upon Lombard Street, and about the same on Greene Street. It is supplied with the most modern and approved system of heating, ventilation, etc., and equipped with all modern requirements and conveniences for the care of the sick, and for the clinical instruction of the students of the University.

It is one of the largest and finest hospitals owned and controlled by any medical school in America, and in point of architectural beauty, convenience and completeness of arrangements and equipment compares favorably with other hospitals.

An important adjunct to the hospital is the postmortem building, which is constructed with special reference to the instruction of students in pathological anatomy.

The hospital is situated opposite the University building, so that the student loses no time in passing from the lecture halls to the clinical amphitheater.

A portion of the hospital is used as a marine hospital for foreign seamen. The great importance of Baltimore as a shipping point brings into her harbor many vessels from all parts of the world, and the sick sailors who are cared for in the wards of the institution give the students an opportunity to observe a large variety of diseases. Another considerable portion of the building is used as a Municipal Hospital, and contains charity beds supported by the city of Baltimore. This department of the hospital is taxed to its utmost capacity to afford accommodations for the patients seeking admission.

Owing to its location, being the nearest hospital to the largest manufacturing district of the city, the University Hospital receives for treatment a very large number of accident cases of all kinds, both slight and serious. These cases, as well as patients suffering from the various diseases of our own climate, occupy the beds, and add greatly to the facilities of clinical teaching enjoyed by the school. The facilities for clinical instruction have been greatly enlarged by an appropriation by the State of Maryland for the support of free beds for patients from the various counties.

MARYLAND GENERAL HOSPITAL.

The clinical service of this hospital is controlled exclusively by the University of Maryland. It is situated on Linden avenue, north of Madison street, is five stories in height, has a capacity of one hundred and sixty (160) beds, and is so arranged that patients may be brought from the wards directly before the class in the amphitheater. This hospital contains patients suffering from almost every form of indigenous disease, and nearly every variety of injury. Special operating and dressing rooms are provided with sterilizers and all necessary surgical instruments, apparatus and appliances, including Roentgen ray for locating foreign bodies, examining bones, etc. Dressings and operations occupy a large portion of each day.

MATERNITY HOSPITAL OF THE UNIVERSITY OF MARYLAND.

This institution is also the property of the Faculty of Physic, and under its exclusive control and direction, and is conducted with the special purpose of furnishing actual obstetrical experience to each member of the graduating class.

New accommodations have been provided in the general hospital, and the Maternity Department now offers better facilities than

ever before. The private rooms and wards are modern in all respects, and the large increase in clinical material has made it possible to offer excellent opportunities for post-graduate work.

Three resident physicians are annually appointed to this hospital from among the graduates of the University.

For purposes of instruction in this most important branch, the members of the Senior Class, after a course of instruction by the Demonstrator of Obstetrics on the manikin, are taken in sections of two students each, into the wards of the hospital, where, under the direct and immediate supervision of the Professor of Obstetrics and his Chief of Clinic, they are thoroughly instructed in vaginal examination and the antiseptic precautions to be taken in making such examination, abdominal palpation, the diagnosis of presentations, and in the treatment of pregnant women preparatory to labor. The sections of the graduating class are assigned in rotation to attend labor cases in the hospital, and arrangements are perfected whereby members of the section are summoned without delay at any hour when labor occurs.

Students are thus afforded opportunities under the immediate supervision of the instructor to become familiar with the mechanism of labor in all its stages, and have frequent opportunities to witness the application of forceps, and the methods of treatment of the various complications of labor. Much attention is also paid to their instruction in the subsequent treatment of mother and child.

The out-door clinic is thoroughly organized, and after instruction in the hospital, students of the graduating class are allotted to attend labor cases at the homes of patients, under supervision of the Professor of Obsetetrics, his Chief of Clinic, or either of the resident physicians of the Lying-in Hospital whenever complications or difficulties arise. Each student will be required to conduct and keep accurate record of at least ten confinement cases, under the supervision of the attending physician.

By this system of combined didactic, practical, and clinical methods of teaching, students of this University are afforded opportunities for instruction in this most important branch of medical science which are equaled by very few other schools and surpassed by none.

THE MARYLAND LYING-IN HOSPITAL.

This hospital adjoins the Maryland General Hospital and furnishes an abundance of clinical material which is under the control of the University of Maryland. There is an out-door clinic con-

nected with this hospital, which is well organized and is under the supervision of the Obstetrical Department of this school.

Synopsis of the Reports of the Resident Physicians for the year ending May 1, 1914.

Number of Confinements in Hospitals	645
Number of Confinements in Out-Door Department	1560
Total	2205

Average number of cases seen by each student of the graduating class, 40.

THE CITY HOSPITALS.

The clinical advantages of the University have been largely increased by the liberal decision of the Board of Supervisors of City Charities to allow the immense material of these hospitals to be used for the purpose of medical education. There are daily visits and clinics in medicine and surgery by the Staff of the City Hospitals, and the dead-house furnishes a great abundance and variety of pathological material, which is used for demonstration.

The City Hospitals consist of the following separate hospitals:

The General Hospital, 160 beds,

The Municipal Hospital for Tuberculosis, 190 beds,

City Detention Hospital for Insane, 450 beds.

THE PRESBYTERIAN EAR, EYE AND THROAT CHARITY HOSPITAL.

This institution, which was founded in 1877, largely through the efforts of the late Dr. J. J. Chisolm, then Professor of Diseases of the Eye and Ear in the University of Maryland, is one of the largest special hospitals in the country.

During the year 1913 there were admitted to the Dispensary and Hospital, 12,117 persons.

The Dispensary and wards of this hospital afford ample facilities for the study of diseases of the eye, ear, nose and throat.

THE JAMES LAWRENCE KERNAN HOSPITAL AND INDUSTRIAL SCHOOL OF MARYLAND FOR CRIPPLED CHILDREN.

This institution contains one hundred beds for the active treatment of deformities. It is situated at "Radnor Park," a colonial estate of sixty-five acres at Hillsdale, one mile from the western city limits, reached by trolley.

This institution has city, state and endowed beds and every modern facility for the treatment of orthopedic cases as well as a most beautiful park-like environment and farm and is closely affiliated with the University of Maryland.

ST. VINCENT'S INFANT ASYLUM.

The facilities of this institution, containing 250 infants and children, have been kindly extended to the University of Maryland by the Sisters of Charity. This large clinic enables this school to present to its students liberal opportunities for the study of diseases of infants and children.

MOUNT HOPE RETREAT FOR THE INSANE.

This hospital contains an average of 1,000 patients, is attended by Prof. Charles G. Hill, A.M., M.D., of this faculty, and presents rare opportunities for the study of nervous and mental diseases.

SOUTH BALTIMORE EYE, EAR, NOSE AND THROAT CHARITY HOSPITAL.

This hospital is situated in south Baltimore and has a large outpatient department devoted to Diseases of the Eye, Ear, Nose and Throat.

Dr. H. E. Peterman is visiting surgeon, and small groups of students are sent there for instruction in the above named diseases.

MARYLAND ASYLUM AND TRAINING SCHOOLS FOR FEEBLE-MINDED.

This hospital situated in the suburbs of Baltimore is owned and controlled by the State of Maryland. It contains 700 beds devoted to the treatment and training of the feeble minded and epileptics. Dr. Frank W. Keating is the superintendent and is Instructor in Psycho-Asthenics in the University of Maryland. Sections of the Fourth Year class are sent to this hospital for instruction in the proper care of feeble minded and epileptics.

SPRING GROVE STATE HOSPITAL.

This hospital is a state institution for the treatment of the insane. There are 750 beds. Dr. J. Percy Wade is superintendent. Students of this school may be sent to this institution for instruction in the diagnosis and treatment of mental diseases.

SPRINGFIELD STATE HOSPITAL.

This large state institution for the treatment of mental diseases is situated at Sykesville, Md. There are accommodations for 1300 patients. Dr. J. Clement Clark, the superintendent, is also Associate Professor of Psychiatry in the University of Maryland.

UNIVERSITY DISPENSARY OR OUT-PATIENT DEPARTMENT.

This department of the University Hospital furnishes a most abundant supply of material for clinical instruction. During the past year the number of visits made by patients to the various departments of the Dispensary was 29,239.

The whole department is arranged and thoroughly organized to facilitate the classification of the patients coming under treatment and their distribution to the various professors giving clinical lectures.

During the intervals between the sessions the regular clinics are continued in the amphitheater, and there is also, each day, a bedside clinic in the hospital and service in the Dispensary. It will thus be seen that the school offers unusual facilities for clinical study during its regular session, and that the continuance of the clinics during the year affords opportunity to such students and graduates as can spend their time in the city.

Attention is called to the fact that during the intervals between the sessions, from June to October, students have the advantage of *three hours of clinical instruction daily*, between the hours of 11 a.m. and 2 p.m.

MARYLAND GENERAL HOSPITAL DISPENSARY.

The Maryland General Hospital Dispensary treats 18,000 indigent patients annually, and supplies this school with an inexhaustible clinic for the instruction of its students. In the outdoor department of the dispensary, advanced students visit and treat patients at their homes, under the direction of the dispensary physician or his assistants.

RESIDENT STUDENTS.

Accommodations are provided in dormitories adjacent to the hospital for resident students. To these are assigned wards in the hospital, with attendance upon the sick, under the daily supervision of the professors of the University and resident house officers. Special attention is called to the fact that in this institution undergraduates are permitted to enjoy the very great advantages of constant observation of the sick and of receiving daily bedside instruction from the members of the Faculty. Rotation in ward service is the rule adopted, in order that the experience of the students may be as varied as possible.

LABORATORIES.

ANATOMICAL LABORATORY.

This laboratory is in charge of Associate Professor Holland and his assistants. It occupies an entire floor of one of the laboratory buildings and has in addition a smaller room for section teaching. The University has recently built its own storage and embalming plant, which supplies an abundance of anatomical material. The museum affords a large collection of both wet and dry specimens which are used in teaching. There is also a considerable amount of material in comparative anatomy. Dissecting tickets must be countersigned as an evidence of satisfactory dissecting.

Anatomical material is furnished in abundance free of charge.

CHEMICAL LABORATORY.

The Chemical Laboratory is under the supervision of the Professor of Analytical Chemistry, aided by the Demonstrators. Each student during his course has assigned him a table and is fully supplied, with all necessary apparatus and chemicals, free of charge, except for breakage, which is charged at cost price.

Students of the first year's class will be required to devote six hours weekly to work in this department.

LABORATORY OF PRACTICAL AND EXPERIMENTAL PHYSIOLOGY.

This laboratory is fully equipped with the atest and most improved apparatus.

Each student is trained to become familiar with the phenomena of life by objective and personal study.

An abundant supply of material is provided for experiment and demonstration.

The laboratory is also well adapted for post-graduate study and special research in Physiology, for which opportunity will be given under suitable regulations.

LABORATORY OF PHYSIOLOGICAL CHEMISTRY.

The second year class is given practical instruction in the chemistry of the sugars and proteids as well as a detailed course in the

chemistry of the various secretions. The experiments performed by each student are adapted to illustrate not only the physiological but also the pathological conditions which may result in various diseases from perverted metabolism. The chemistry of the food stuffs and its practical bearing upon diet is especially dwelt upon. The course is essentially practical, only including so much theoretical physiology as is necessary for a proper knowledge of the subject. Graduates and advanced students competent to undertake such work, who desire to pursue special chemical investigation, will be given the opportunity under suitable regulations.

LABORATORY OF HISTOLOGY AND EMBRYOLOGY.

This laboratory is equipped for teaching Histology and Embryology.

There is a large collection of charts, specimens and apparatus used in teaching. The necessary equipment for the practice of technique is provided.

LABORATORY OF PHARMACOLOGY AND MATERIA MEDICA.

The laboratory of Pharmacology and Materia Medica contains a complete museum of materia medica preparations including the crude drugs, preparations and active principles.

The laboratory of pharmacology is provided with instruments and appliances for demonstrating the physiologic effects of drugs on animals.

LABORATORY OF PATHOLOGICAL HISTOLOGY AND BACTERIOLOGY.

In addition to the opportunities which are afforded students for the study of gross pathology by the weekly lectures and demonstrations, and by attendance upon the autopsies at University and Bayview Hospitals, laboratory instruction is also given in Pathological Histology and Bacteriology, for which purposes the autopsies furnish an abundant supply of material.

Ten hours weekly are devoted to this instruction, which is obligatory on all second- and third-year students.

The course of instruction embraces the preparation and study of sections illustrating the common lesions of the various organs; the microscopic examination of urinary sediments; thevarious methods of isolating and identifying microörganisms, and the method of staining important microörganisms.

Graduates and advanced students qualified to profit by such work, desiring to undertake special lines of investigation in this department, will be afforded excellent opportunities for study.

LABORATORY OF CLINICAL PATHOLOGY.

This laboratory is fully equipped for the study of practical laboratory work in its relationship to clinical medicine. Each student is supplied with a locker, containing a microscope and sufficient apparatus for any ordinary examination.

The wards and out-patient departments of the University and allied hospitals furnish an abundance of material for study.

By reason of individual equipment, much work outside of class hours is expected of the student.

The class room is adequately lighted, and is conveniently situated for teaching purposes.

LIBRARIES.

The University Library, founded in 1813 by the purchase from his widow of the collection of books of Dr. John Crawford, now contains 11,645 volumes, 45 current journals and several thousand pamphlets. During the year ending June 1, 1913, 905 volumes were added. It is open daily during the year, except in August, for the use of members of the Faculty, students and the profession generally. Books may be taken out without charge by making a deposit of three dollars. It is well stocked with recent literature and the more commodious quarters acquired in Davidge Hall have promoted very much its growth and usefulness.

Other libraries of Baltimore are the Peabody (181,000 volumes), the Enoch Pratt Free Library (280,000 volumes) and the Library of the Medical and Chirurgical Faculty. The last named library receives the leading medical publications of the world and complete sets of many journals are available.

The libraries are open to students of the Medical School without charge.

The nearness of Washington puts the immense libraries of the national capital at the disposal of students of this school.

THE MUSEUM.

The museum occupies a separate apartment in the main building. It is under the care of the curator, Prof. J. Holmes Smith and his assistants. It contains a large collection of anatomical prep-

arations, plaster casts, charts, models, etc., used in teaching anatomy. It contains also a number of specimens of comparative anatomy. There is a large collection of gross pathological specimens and cut sections mounted for demonstration. For the department of obstetrics, there is an excellent collection of normal and abnormal human embryos.

PUBLICATIONS.

Two monthly journals are published by the University. *The University Gazette* is devoted to the interests of the entire University and is published under the auspices of the General Alumni Association. *The Hospital Bulletin* is the publication of the Medical School. Dr. Nathan Winslow is editor.

DENTAL INFIRMARY.

The Dental Department of the University of Maryland is situated upon the University grounds, fronting on Greene Street, and adjoining the building of the School of Medicine.

Daily clinics are held in this department in the afternoon from 2 to 5 o'clock, which are open to students of the School of Medicine, and offer excellent opportunities to students intending to practice in the country to familiarize themselves with dental operations.

DEPARTMENT OF PHARMACY.

By arrangements recently concluded between the two institutions, the Maryland College of Pharmacy, established in 1840, and widely and favorably known as one of the oldest and most prominent of the institutions of its kind in this country, has become the Department of Pharmacy of the University of Maryland, and now occupies buildings upon the University grounds.

The lectures and laboratories in this Department will afford to students of the School of Medicine who expect to practice in the country, opportunities of acquiring a knowledge of correct methods of dispensing medicines which will be of much value in their future practice.

Special courses of instructions in the laboratories of Pharmacy may be arranged for upon payment of a moderate fee.

ANNUAL APPOINTMENTS.

On February first of each session the following annual appointments are made from among the graduates of the school.

TO THE UNIVERSITY HOSPITAL.

Superintendent.
Six Resident Surgeons.
Four Resident Physicians.
Two Resident Gynecologists.
Two Resident Pathologists.

TO THE MATERNITY HOSPITAL.

Three Resident Physicians.

TO THE MARYLAND GENERAL HOSPITAL.

One Chief of House Staff.
Two Resident Physicians.
Five Resident Surgeons.
One Resident Obstetrician.

A number of students are appointed each year, at the close of the session, as Clinical Assistants. The fee for such hospital residence is *one hundred and fifty dollars* per year, PAYABLE IN ADVANCE. This covers lodging, light and fuel.

Many appointments to other hospitals of Baltimore are made annually, to which graduates of the University of Maryland are eligible.

PRIZES.

FACULTY PRIZE—To stimulate study among the candidates for graduation, the Faculty offers a Gold Medal to the candidate who passes the best general examination. Certificates of Honor are awarded to the five candidates standing next highest.

REQUIREMENTS FOR MATRICULATION.

Admission to the course in medicine is by a completed Medical Student Certificate issued by the Board of Medical Examiners of Maryland. This certificate is obtained from Prof. Isaac L. Otis, the Entrance Examiner of the Board, on the basis of satisfactory credentials, or by examination, or both, and is essential for admission to any class.

The requirements for the issue of the Medical Student Certificate are those prescribed by the rules of the Association of American Medical Colleges, of which Association this Faculty is a member, and comprise:

(A) The completion of a standard four-year high school course, or its equivalent, and, in addition,

(B) One year of college credits in chemistry, biology, physics and French or German.

(A) THE HIGH SCHOOL REQUIREMENT.

(1) A diploma and transcript of record from a fully accredited high school, normal school or academy requiring for admission evidence of the completion of a standard course in primary and intermediate grades and for graduation, the completion of a standard four-year high school course, embracing two years (2 units) of mathematics, two years (2 units) of English, two years (2 units) of a foreign language, one year (1 unit) of American History and Civics and seven years (7 units) of further credit in language, literature, history or science, making the total of units at least fourteen; or,

(2) An examination in the following branches totaling 14 units:

		Units.
(1)	Required, 7 units.	
	Mathematics—(Minimum 2 years; maximum 3 years) Algebra and plane geometry	2
	English—(Minimum 2 years; maximum 4 years)	2
	A Foreign Language—(Minimum 2 years; maximum 4 years)	2
	U. S. History	1
	Total required units	7
(2)	Elective, 7 units. To be selected from the following:	
	English Language and Literature—(in addition to the required work)	1 to 2
	Foreign Language—additional Latin, German, French, Italian, Spanish or Greek (not less than one year in any one)	1 to 4
	Advanced Mathematics—advanced Algebra, Solid Geometry and Trigonometry (½ year each)	1
	Natural Science—Chemistry, 1 year; Physics, 1 year; Biology, Botany, Physiology, Zoology (½ to 1 year each)	½ to 2
	Earth Science—Physical Geography, Geology, Agriculture (½ to 1 year each)	½ to 2
	Astronomy—(½ year)	½
	Drawing—(½ to 1 year)	½ to 1
	History—Ancient, Medieval and Modern, English (1 year each)	1 to 3
	Economics—(½ year)	½
	Manual Training—(1 year)	1
	Book-keeping—(½ to 1 year)	½ to 1

One unit in any subject is the equivalent of work in that subject for four or five periods per week for a year of at least thirty-six weeks, periods to be not less than forty-five minutes in length. One unit is equivalent to 2 semester credits or 2 points.

(B) THE COLLEGE REQUIREMENT.

a. The preliminary college year shall extend through one college session of at least thirty-two weeks of actual instruction, including final examinations.

b. In excellence of teaching and in content, the work of this preliminary college year shall be equal to the work done in the freshman year in standard colleges and universities.

Schedule

SUBJECT	LECTURES OR RECITATIONS PER WEEK	LABORATORY PERIODS PER WEEK	TOTAL HOURS PER SEMESTER	TOTAL SEMESTER HOURS PER YEAR
Physics (1)	2	2	4	8
Chemistry (1)	2	2	4	8
Biology (1)	2 or 3	2 or 1	4	8
German or French (2)	4 or 3		4 or 3	8 or 6
Total	10	6 or 5	16 or 15	32 or 30

Each laboratory period must extend over at least two hours.

Or, expressed in class hours

SUBJECT	TOTAL HOURS LECTURES OR RECITATIONS	TOTAL HOURS LABORATORY WORK	TOTAL MINIMUM HOURS DIDACTIC AND LABORATORY
Physics (1)	64	128	192
Chemistry (1)	64	128	192
Biology (1)	64 or 96	128 or 64	128 or 160
German or French (2)	128 or 96		128 or 96
Total	320	384 or 320	704 or 640

c. This preliminary college year shall include courses in physics, chemistry, biology and German or French, each course to embrace at least eight semester hours of didactic and laboratory work in each subject as shown in the above schedule, provided that a student may satisfy the requirement of physics in presenting one unit of high school physics and completing a half year of college physics which continues and does not duplicate the work done in the high school.

Provided also, that a student may satisfy the requirement of French or German by presenting two units of regular high school work in either language and completing a half year of college work in that language, which continues and does not duplicate the work done in the high school, or by presenting three units of regular high school work in French or German.

In the administration of the entrance requirements of the preliminary college year conditions may be allowed until September 1917, amounting to not more than one-half of the requirement in physics and one-half of the requirement in a modern language.

All such conditions shall be removed before registration for the second year.

The evaluation of credentials can be made by the Entrance Examiner only, and all students whose entrance qualifications are not clearly satisfactory, or whose certificates are not complete, are advised to obtain from him or from the Dean blank forms on which to prepare a full statement of their previous education, in advance of their coming to Baltimore. Such statements to be submitted to the Entrance Examiner for his advice as to the course to be pursued.

The Entrance Examiner for Maryland is Prof. Isaac L. Otis, Hall of the Medical and Chirurgical Faculty of Maryland, 1211 Cathedral Street, Baltimore. To him must be submitted the credentials of all applicants, and by him is issued the certificate upon which the student is matriculated.

The student is earnestly advised to qualify himself under his State law, and, where such certificates are issued, to receive the medical students' certificate from the State authorities before entering upon his medical studies. By adopting this course future difficulties may be avoided.

Graduates in Medicine desiring to take the Senior Course, without being candidates for the degree, and therefore without examination, may receive a certificate of attendance.

PRE-MEDICAL COURSE.

In order to meet the increased requirements for matriculation taking effect January 1, 1914, a special Pre-Medical Course in Chemistry, Physics, Biology and French or German is now offered in St. John's College.

COMBINED COURSE IN ARTS AND MEDICINE.

St. John's College, Annapolis, Md., founded in 1696, is by contract of affiliation styled and recognized as the Department of Arts and Sciences of the University of Maryland.

Students who have completed the Junior Year in St. John's College and who have made an approved choice of electives may if they desire it do the entire work of the Senior Year in the Medical School of the

University. If they successfully complete the work of the first medical year they are graduated with their class with the degree of A B. from St. John's College.

By taking advantage of this privilege a man may complete the Undergraduate and Medical courses in seven years.

During three of these years or until he has completed the work of the Junior class he is a resident student in St. John's College and for four years he is a resident in the Medical School in Baltimore.

At the end of the fourth year he receives the A.B. degree, and at the end of the seven years the M.D. degree, but credit from the Medical School cannot be accepted in subjects for which credit has already been given in the College of Liberal Arts.

GRADUATES OF PHARMACY.

Graduates of recognized Colleges of Pharmacy will be given credit for the work which they have done in Chemistry and Materia Medica and will be excused from the lectures, laboratory work and recitations upon these subjects in the Freshman Year. The fee for the Freshman Year to Graduates of Pharmacy will be $125.

STATUTES.

1. Cards for completed courses will be issued by the Dean at the end of the session. Laboratory tickets and tickets for practical anatomy must be countersigned by the proper demonstrators and directors. Unless properly countersigned, a ticket will not be accepted as evidence of a completed course.

2. Every candidate must have passed examinations in the various branches of medicine taught in this school, or show satisfactory evidence of having done so in other schools, and also produce evidence of satisfactory work in practical anatomy and the various laboratories. Attendance upon all clinical lectures is obligatory.

3. Any student failing in more than one-half the yearly examinations shall be required to repeat the work of the year and shall not be allowed to advance with his class. Students deficient in less than one-half the year's work are permitted to make up their deficiency in the fall examinations. All students are required to stand the spring examinations unless excused by the Dean. No student will be permitted to enter the third-year class who has not completed all first-year work, and no student will be permitted to enter the fourth-year class who has not completed all second-year work, nor shall

a student be advanced from a lower to a higher class if he is conditioned in more than one major and one minor subject.

4. The graduation fee, which is $30, must be deposited with the treasurer before the candidate can be admitted to final examination. This fee is returned in case the examination is unsuccessful.

5. Examinations for the degree of Doctor of Medicine are conducted by the several professors.

A student failing in final examination for graduation at the end of the fourth year will be charged the regular fees for tuition, etc., and will be required to repeat the entire course of the fourth year and to take examinations in such other branches as may be required, should be he permitted to again enter the school as a candidate for graduation.

6. The general fitness of a candidate for graduation will be taken into consideration by the Faculty as well as the results of his final examination.

ANNUAL LIMITATION OF RULES AND FEES.

All the above rules, as well as the fees stated below, relate to the year ending June 1, 1915, only. The right is reserved to make changes in the curriculum, requirements for graduation, fees and all the regulations whenever the Faculty deem it expedient.

FEES.

Matriculation fee (paid each year)	$5.00
Tuition fee (each year)	165.00
Graduation fee	30.00

There are no extra charges for instruction in any department, or for laboratory courses, except for breakage, and in special cases for materials consumed.

Tuition fees are due and payable during October, and if the entire amount is paid at the Dean's office before November 1, the tuition fee for that year will be $160.

The above fees apply to all students who matriculate in this institution for the first time, in any class, for the session beginning October 1, 1914.

Students who have already attended one or more full courses of instruction in this institution will be entitled to complete the course in medicine at the current rates in force at the time of their first full course of lectures in this institution.

Fees for individual courses, $25 each.

SCHOLARSHIPS.

The Dr. Samuel Leon Frank Scholarship.

This scholarship, established by Mrs. Bertha Rayner Frank as a memorial of the late Dr. Samuel Leon Frank, an alumnus of this University, entitles the holder to exemption from the payment of the tuition fee of that year.

It is awarded by the Trustees of the Endowment Fund of the University in each year upon nomination of the Faculty of Physic, "to a medical student of the University of Maryland, who in the judgment of said Faculty, is of good character, and in need of pecuniary assistance to continue his medical course."

This scholarship is awarded to a second, third or fourth year student only, who has successfully completed one year's work in the medical course, and no man may hold such scholarship for more than two years.

The Charles M. Hitchcock Scholarships.

From a bequest to the School of Medicine by the late Charles M. Hitchcock, M.D., an alumnus of the University, two scholarships have been established which entitle the holders to exemption from payment of tuition fees for the year.

These scholarships are awarded annually by the Faculty of Physic to students who have meritoriously completed the work of at least the first year of the course in medicine, and who present to the Faculty satisfactory evidence of good moral character, and of inability to continue the course without pecuniary assistance.

The Randolph Winslow Scholarship.

This scholarship, established by Prof. Randolph Winslow, M.D., LL.D., entitles the holder to exemption from the payment of the tuition fee of that year.

It is awarded annually by the Trustees of the Endowment Fund of the University, upon nomination of the Faculty of Physic, to "a needy student of the Senior, Junior, or Sophomore Classes of the Medical School.

"He must have maintained an average grade of 85% in all his work up to the time of awarding the scholarship.

"He must be a person of good character and must satisfy the Faculty of Physic that he is worthy of and in need of assistance."

The University Scholarship.

This scholarship, which entitles the holder to exemption from payment of the tuition fee of the year, is awarded annually by the Faculty of Physic to a student of the Senior Class who presents to the Faculty satisfactory evidence of good moral character, and that he is worthy of and in need of assistance to complete the course.

The St. John's Scholarship.

This scholarship is awarded annually by the Faculty of Physic upon the nomination of the President of St. John's College.

It entitles the holder to exemption from the payment of the tuition fee of that year.

NOTICE TO STUDENTS.

The personal expenses of students are at least as low in Baltimore as in any large city in the United States. The following estimates of students' personal expenses for the academic year of eight months have been prepared by students, and are based upon actual experience:

Items.	Low.	Average.	Liberal.
Books	$ 18	$ 32	$ 50
College Incidentals	....	5	10
Board, eight months	96	112	128
Room rent	48	65	80
Clothing and washing	35	50	100
All other expenses	10	20	75
Total	$207	$284	$443

Students will save time and expense upon their arrival in the city by going direct to the School of Medicine on the University grounds, N. E. corner of Lombard and Greene Streets, where the Superintendent of buildings, who may be found at his office on the premises, will furnish them with a list of comfortable and convenient boarding houses suitable to their means and wishes.

The Dean will, if desired, attend to the collection of checks and drafts of students.

For further information, apply to

R. Dorsey Coale, Ph.D., *Dean of the Faculty,*

University of Maryland, Baltimore, Md.

ORGANIZATION OF THE CURRICULUM.

The following curriculum is the result of a recent and thorough revision of teaching in this school in order to meet modern requirements. The multiplication of specialities in medicine and surgery necessitates a very crowded course and the question of electives is one which very soon will be depended on to solve some of the difficulties.

The curriculum is organized under nine departments.

1. Anatomy (including Histology and Embryology).
2. Physiology.
3. Chemistry including Physiological Chemistry.
4. Materia Medica, Pharmacology and Therapeutics.
5. Pathology and Bacteriology.
6. Medicine (including Medical Specialities).
7. Surgery (including Surgical Specialities).
8. Obstetrics.
9. Gynecology.

The instruction is given in four years of graded work.

Each year consists of thirty-two weeks and is divided into two semesters.

Several courses of study extend through two years or more, but in no case are the students of different years thrown together in the same course of teaching.

The first and second years are devoted largely to the study of the structures and functions of the normal body and laboratory work occupies most of the student's time during these two years.

Some introductory instruction in Medicine and Surgery is given in the second year. The third and fourth years are almost entirely clinical.

A special feature of instruction in the school is the attempt to bring together teacher and student in close personal relationship. In many courses of instruction the classes are divided into small groups and a large number of teachers insures attention to the needs of each student.

In many courses the final examinations as the sole test of proficiency has disappeared and the student's final grade is determined largely by partial examinations, recitations and assigned work carried on throughout the course.

DEPARTMENT OF ANATOMY INCLUDING HISTOLOGY AND EMBRYOLOGY.

J. Holmes Smith, M.D.....Professor of Anatomy
A. C. Pole, M.D.....Professor of Descriptive Anatomy
Tilghman B. Marden, A.B., M.D. ..Professor of Histology and Embryology
J. W. Holland, M.D.....Associate Professor of Anatomy
J. L. Wright, M.D.....Associate in Anatomy
G. S. M. Kieffer, M.D.....Associate in Histology and Embryology
W. G. Queen, M.D., Lecturer on Osteology and Assistant in Histology and Embryology
W. F. Sowers, M.D.....Demonstrator in Histology and Embryology
R. G. Willse, M.D.....Assistant in Histology and Embryology
Fred Rankin, M.D.....Assistant in Anatomy
R. E. Abell, M.D.....Assistant in Anatomy

Anatomy.

First Year. Didactic. Three hours each week for thirty-two weeks.

This course embraces the integuments, myology, angiology, osteology, syndesmology and the peripheral nerves.

Laboratory. Twelve hours each week for sixteen weeks. Abundance of good material is furnished and the student is aided in his work by competent demonstrators. Examinations are held at regular intervals throughout the session, and each student will be held to strict account for material furnished him.

Osteology. Two hours each week for thirty-two weeks. Lectures, demonstrations and recitations. Each student is furnished a skeleton and a deposit is required to insure its return at the end of the session.

Second Year. *Didactic.* Three hours each week for thirty-two weeks. Lectures, recitations and conferences.

Laboratory. Twelve hours each week for sixteen weeks. This course includes topographical and applied anatomy of the body cavities and viscera and the cerebro-spinal and sympathetic nervous systems with special demonstrations of important subjects to the class in small sections.

The teaching of anatomy is illustrated by means of charts, diagrams, special dissections and the projection apparatus.

Histology.

First Year. Lectures, recitations and laboratory work; six hours each week throughout the session. The most important part of the

work will be done in the laboratory, where each student will be provided with a microscope, apparatus, staining fluids and material necessary for the preparation of specimens for microscopical examination. An important aid to the course is the projection microscope which is used for the projection upon a screen of magnified images of the specimens actually used in the laboratory.

Embryology.

Lectures, recitations and laboratory work; two hours each week during the second semester.

This course includes the study of the development of the chick, and the fundamental principles of mammalian embryology. In the laboratory, the hen's egg will be studied in its various stages of development, and sections of the chick at different periods of incubation will be made and studied microscopically. The latter part of the course will be devoted to the study of sections through different regions of a mammal.

DEPARTMENT OF PHYSIOLOGY.

John C. Hemmeter, M.D., Ph.D., Sc.D., LL.D.....Professor of Physiology
T. L. Patterson, M.A. .....Associate Professor of Physiology and Biology
C. C. Conser, M.D.....Associate in Physiology
G. W. Hemmeter, M.D.....Associate in Physiology

First Year. 1. *General Biology.* This course is designed to serve as a practical introduction to the course in physiology and aims to acquaint the student with the elementary forms, forces, and laws of living nature upon which practically all medical science is dependent. First half year, lectures and conferences three hours a week. Laboratory four hours a week. Associate Professor Patterson and Mr. Bishop.

2. *Physiology.* This course follows the course in General Biology and includes the physiology of blood, circulation, respiration, and a portion of the nervous system. Second half year, lectures and conferences three hours a week. Associate Professor Patterson.

Second Year. 3. *Advanced Physiology, Biochemistry and Biophysics.* This course covers the entire field of physiology in a series of lectures, recitations, demonstrations and conferences that is based upon an already acquired knowledge of the elements of this science as given under No. 1 and 2. The doctrines and theories of modern physiology as far as they give promise of fruitful development of this science are discussed and weekly conferences are held between the classes and the teacher.

It is impossible to itemize the various topics that are discussed in this course, only the more important can be mentioned, for example: the Ionic hypothesis—the theory of solutions (Vant Hoff—Arrhenius—J. H. Hamburger—DeVries) and its relation to biochemistry. The theories of immunity (Metschnikoff—Ehrlich)—the tropisms especially—the doctrine of neuro-chemic coördination and its bearing to pharmaco-tropism, etc., etc., are made comprehensible to the student. Lectures and conferences three hours a week. Professor John C. Hemmeter assisted by Dr. Conser.

4. *Experimental Biophysics and Biochemistry.* This is a purely Laboratory course in the dynamics of muscle and nerve, nervous system, circulation and respiration, digestion-metabolism, excretion, secretion, etc. The field covered is that as outlined in Hemmeter's *Manual of Practical Physiology.* Laboratory six hours a week for five months. Associate Professor Patterson, Drs. Conser, G. W. Hemmeter.

5. *Special Mammalian Physiology.* This is a Laboratory course intended for advanced Laboratory students (optional) who may wish to do special work in this line of physiology. Hours to be arranged. Associate Professor Patterson.

6. *Research in Physiology.* Properly qualified students will be admitted to the laboratory which is well adapted for post-graduate study and special research. Hours will be arranged to suit individuals. Professor John C. Hemmeter.

DEPARTMENT OF CHEMISTRY.

R. Dorsey Coale, Ph.D., M.D.....Professor of Chemistry and Toxicology
Daniel Base, Ph.D.....Professor of Analytical Chemistry
E. L. Whitney, M.D.....Associate Professor of Physiological Chemistry
E. F. Kelly, Phar.D.....Associate in Chemistry

First Year. *General Chemistry and Toxicology.* 1. Lectures and Recitations. Two hours per week throughout the session.

A course of lectures and recitations upon inorganic chemistry, fully illustrated by experiments. Particular attention is paid to those elements and compounds which are used in medicine or are of a poisonous character. Professor Coale.

2. Laboratory Work. Eight hours per week for one semester.

Each student during his course has assigned him a table and is fully supplied with all necessary apparatus and chemicals, free of charge, except for breakage, which is charged at cost price.

The course of instruction embraces: (1) Training in the proper care and use of apparatus and in the manipulative processes used in the laboratory. (2) The experimental study of the more important elements and compounds, and the repetition of experiments performed in the course of lectures. (3) Instruction in the elements of qualitative analysis. Special attention is paid to the detection of the more important inorganic poisons. Professor Base and Dr. Kelly.

SECOND YEAR. *Organic and Physiological Chemistry.* 1. Lectures and recitations. One hour per week throughout the session.

This course includes the study of general organic chemistry with special attention to the more important carbon compounds which are of particular importance to the student of medicine, with reference to their relations to physiology, pathology and clinical medicine. Professor Coale.

2. Laboratory Work. Six hours per week for one semester.

This includes a study of the properties of the food stuffs, their decomposition and metabolic products, digestion, the blood, chemistry of the secretions and excretions, and the various abnormal compounds resulting from perverted metabolism. The student will be expected to familiarize himself with the manipulation of the apparatus in use in the study of the various secretions, excretions and fluids of the body. Associate Professor Whitney.

SPECIAL COURSES. *Original Investigation.* Graduates and advanced students competent to undertake such work, who desire to pursue special chemical investigation, will be given the opportunity, under suitable regulations, with the advice and assistance of the Instructors of the Department.

DEPARTMENT OF MATERIA MEDICA, PHARMACOLOGY AND THERAPEUTICS.

ARTHUR M. SHIPLEY, M.D.....Professor of Materia Medica
E. L. WHITNEY, M.D.....Associate Professor of Pharmacology
WILLIAM CASPARI, JR., PH.G., M.D....Associate Professor of Materia Medica
W. I. MESSICK, M.D.....Associate in Therapeutics
H. L. SINSKY, M.D.....Lecturer in Materia Medica
H. BOYD WYLIE, M.D.....Demonstrator in Pharmacology

FIRST YEAR. Two hours per week throughout the session are devoted to didactic lectures in materia medica proper, including the source, part used, habitat, active constituents, preparations and doses. This course includes instruction in pharmacy and the student is familiarized with the ordinary preparations of drugs. Associate Professor Caspari.

Second Year. Two hours per week throughout the session to didactic instruction in materia medica, pharmacology and therapeutics. Professor Shipley.

The class is divided into sections and each section has two hours a week throughout the session in laboratory pharmacology.

The physiological action and toxicology of the more important remedial agents are observed on animals, and small sections of students work out these observations for themselves. Associate Professor Whitney and Dr. Wylie.

Prescription writing and the physical properties of drugs together with recitations and assigned work, one hour per week throughout the course. Dr. Sinsky.

Third Year. *Applied Therapeutics.* Lectures and conferences. One hour a week to entire class throughout the session.

This course is supplementary to the lectures on the Principles of Medicine, and an effort is made to familiarize the student with the practical treatment of disease. Dr. Messick.

Physical Therapeutics. This course consists of weekly lectures and demonstrations on hydrotheraphy, thermotheraphy, massage, rest and exercise, the Weir Mitchell Treatment, radiotheraphy and electrotherapeutics. The basic physiologic principles and actions of the above mentioned agencies are given full consideration and study and the practical application is observed in the hospital and clinic and in visits to various institutions having well equipped departments for treatment by physical means. A few lectures on suggestions are also given as the subject properly belongs to such a course. Professor Gichner.

Fourth Year. *Applied Therapeutics.* During this year instruction in the treatment of diseased conditions by remedial agents forms a large part of the teaching of medicine and the medical specialties.

DEPARTMENT OF PATHOLOGY AND BACTERIOLOGY.

Jose L. Hirsh, A.B., M.D .....Professor of Pathology and Bacteriology
H. R. Spencer, M.D.....Associate Professor of Pathology and Bacteriology
Howard J. Maldies, M.D.....Associate in Pathology and Bacteriology
Isaac M. Macks, M.D.....Associate in Pathology and Bacteriology
Harry W. Stoner, M.D.....Lecturer on Bacteriology
Roscoe C. Metzel, M.D.....Assistant in Pathology and Bacteriology
Leo Karlinsky, M.D.....Assistant in Pathology and Bacteriology

Instruction in this department is given during the second and third years by lectures, laboratory work, quizzes, conferences and

the demonstrations of fresh and prepared specimens, and in the fourth year by a clinical pathological conference.

Second Year. *Bacteriology.* Thirteen hours a week for eleven weeks. Lectures, 30 hours. Laboratory work, 113 hours, total 143 hours.

This subject is taught by lectures and practical laboratory work. The students are familiarized with the preparation of media, the cultivation, isolation and identification of bacteria and general laboratory technique as applied to clinical medicine. The important pathogenic microörganisms are studied culturally with such non-pathogenic forms as are necessary for comparison. At intervals mixed cultures are given out to the class and the students are required to isolate and identify the bacteria in the mixture.

Animal inoculations and autopsies are performed in connection with the bacteria studied. Students will also perform and study the serum reactions used for diagnosis, complement fixation tests and vaccine therapy. In this course is included the technique of the bacterial examination of water and milk.

Pathology. This subject is taught in the second and third years with conferences in the fourth year. Lectures, 90 hours, laboratory work 212 hours, total 302 hours.

The course is divided as follows: Second Year. General pathology, including the study of inflammations, degenerations, circulatory disturbances, infective granulomata and tumors. Eight hours a week for nineteen weeks, total 152 hours.

This course extends from January to June. The greater part of the practical work is devoted to the study of the microscopic changes occurring in the above named conditions. Specimens for microscopic study are given to the students to be stained and mounted and this is supplemented by the study of gross material obtained from autopsies and from the museum. In this portion of the course an effort is made to train the students in the fundamental lesions and principles of pathology. Weekly throughout the course there is given a lecture accompanied by a demonstration with the projection apparatus. In addition to the laboratory work, there are held regular quizzes for which purpose the class is divided into small sections. Students are required to be present at autopsies which are held frequently, the University and Maryland General Hospitals furnishing a large amount of material.

Third Year. *Special Pathology.* Three hours a week during the entire year. In this course the special pathology of the organs and

systems is studied under the same system as detailed above. Frequent lectures with the use of the projection apparatus and quizzes also accompany this course.

Students of the third year class are required to assist at autopsies and are trained in the proper technique of the conduct and recording of same.

Fourth Year. Clinical and pathological conferences. One hour a week throughout the year, total 30 hours.

The specimens from autopsies are studied with reference to the clinical histories and the gross and microscopic anatomy. Special emphasis is laid upon the correlation of the anatomical findings with the clinical symptoms and diagnosis. The demonstrations are illustrated with sections of fixed material and cover slip preparations of exudates.

DEPARTMENT OF SURGERY AND SURGICAL SPECIALTIES.

Randolph Winslow, A.M., M.D., LL.D.....Professor of Surgery
Arthur M. Shipley, M.D.....Professor of Surgical Pathology
Ridgely B. Warfield, M.D.....Professor of Practice of Surgery
Frank Martin, B.S., M.D.....Professor of Clinical and Operative Surgery
J. D. Blake, M.D.....Professor of Clinical Surgery
St. Clair Spruill, M.D.....Professor of Clinical Surgery
John G. Jay, M.D.....Clinical Professor of Surgery
Nathan Winslow, A.M., M.D.....Clinical Professor of Surgery
J. W. Holland, M.D.....Lecturer on Clinical Surgery
J. C. Lumpkin, M.D.....Associate in Clinical Surgery
H. C. Blake, M.D.....Associate in Clinical Surgery
Robert P. Bay, M.D.....Associate in Surgery
Frank S. Lynn, M.D.....Associate in Surgery
A. G. Barrett, M.D.....Demonstrator of Surgery
F. J. Kirby, M.D.....Instructor in Surgery
Fred Rankin, M.D.....Instructor in Surgery
S. Griffith Davis, M.D.....Instructor in Anaesthesia
Harry L. Kolseth, M.D.....Assistant in Surgery
J. D. Bubert, M.D.....Assistant in Surgery

The course in surgery is progressive and aims to ground the student firmly in the principles of surgical science in order that later he may be prepared to build upon a firm foundation the superstructure of surgical art.

Second Year. During this year a practical course of bandaging is given upon the manikin; the student being required to apply personally the various forms of bandages to the different parts of the body.

THIRD YEAR. Surgical Pathology and Principles of Surgery. Lectures, recitations and clinics, three hours weekly at the University Hospital. Professor Shipley.

The class is divided in sections and receives instruction in history taking, gross surgical pathology and surgical diagnosis at the bedside and in the dead house at the City Hospitals at Bay View. Professor Shipley and Dr. Lynn.

Operative Surgery. Instruction is given in operative surgery upon the cadaver and on dogs. The class is divided into sections and each section is given practical and individual work under the supervision of the instructors.

This course begins with the study of the general principles of operative surgery; anaesthesia, asepsis, antisepsis, description of instruments and sutures, etc.

The various operations are first described and demonstrated by the instructor, and the student afterward practices them upon the subject.

The entire subject of operative surgery is fully covered. Professors Martin, Spruill, Clinical Professor N. Winslow and Dr. R. P. Bay.

Attendance upon surgical clinics and upon dispensary service is also expected when the student is not engaged in class work at the same hour.

FOURTH YEAR. *Practice of Surgery.* Illustrated by charts, drawings, pathological specimens, x-ray demonstrations, lantern slides and the balopticon, three hours a week. Professors Winslow and Warfield.

Surgical Clinics. Operative surgery and surgical diagnosis, three hours a week to entire class. Professors Winslow, Shipley, Warfield, Martin, Blake and Spruill.

The class is divided into sections for ward instruction in surgery, for instruction in operative surgery and surgical diagnosis, and the post-operative treatment of surgical conditions, four days a week for two hours each day. Professors Winslow, Shipley, Warfield, Martin, Blake and Spruill.

Dispensary instruction in the diagnosis and treatment of surgical ailments, two hours daily.

The administration of anaesthetics is taught didactically and practically and students are required to administer anaesthetics under the direction of an instructor. It is aimed to make the instruction during this year practical and to give the student first hand insight into the signs and treatment of surgical conditions. A large corps of able teachers and clinicians makes it possible to give unusually close attention to the practical clinical instruction of each student.

EYE AND EAR DISEASES.

Hiram Woods, A.M., M.D.....Professor of Ophthalmology and Otology
J. Frank Crouch, M.D....Professor of Clinical Ophthalmology and Otology
Wm. Tarun, M.D.....Clinical Professor of Ophthalmology and Otology
H. E. Peterman, M.D.....Associate in Ophthalmology and Otology
Clyde A. Clapp, M.D .....Associate in Ophthalmology and Otology
G. A. Fleming, M.D.....Demonstrator of Ophthalmology and Otology
Edward A. Looper, M.D.,D.Oph..Instructor in Ophthalmology and Otology

Eye

Third Year. Instruction in anatomy, physiology and optics, illustrated by models, drawings, lantern slides, sections, etc., one hour each week for the first half of the second semester. During the last half of the second semester the class is divided into groups for demonstrations by sections, specimens, etc. of the anatomy and by models, drawings, etc. of the physiology of the eye, one hour each week for each section, Clinical Professor Tarun.

At the end of this course an examination will be held.

Fourth Year. Didactic lectures and recitations on diseased conditions of the eye; one hour each week for entire course, Professor Woods and Clinical Professor Tarun.

Ear

Lectures and recitations on anatomy, physiology and diseases of the ear, one hour each week during the first semester in addition to general clinic and section teaching mentioned below. Professor Crouch.

Eye and Ear

Clinical lectures and recitations in diseases of the Eye and Ear one hour each week during the first semester. Professor Woods.

Clinical lectures and recitations in Diseases of the Eye and Ear one hour each week during the second semester. Professor Crouch and Clinical Professor Tarun.

The class is divided into sections for instruction in diseases of the eye and ear daily throughout the course in the dispensaries of the University, Presbyterian Eye and Ear, and Maryland General Hospitals.

DERMATOLOGY

T. Casper Gilchrist, M.R.C.S., L.S.A., M.D.....Professor of Dermatology
John R. Abercrombie, M.D.....Associate in Dermatology
Harry M. Robinson, M.D.....Demonstrator of Dermatology
L. W. Ketron, M.D.....Demonstrator of Dermatology

Clinical conference one hour each week to entire class. This course will consist of demonstrations of the common diseases of the skin. Professor Gilchrist.

Dispensary instruction Mondays, Wednesdays and Fridays in the diagnosis and treatment of the common skin diseases. Drs. Abercrombie and Robinson.

ORTHOPEDIC SURGERY.

R. Tunstall Taylor, A.B., M.D.....Professor of Orthopedic Surgery
Compton Riely, M.D.....Associate in Orthopedic Surgery
Sidney M. Cone, A.B., M.D.....Associate in Orthopedic Surgery
Henry Chandlee, M.D.....Associate in Radiography
W. H. Daniels, M.D.....Instructor in Orthopedic Surgery
Geo. E. Bennett, M.D.....Instructor in Orthopedic Surgery
W. Saulsbury Niblett, M.D.....Assistant in Orthopedic Surgery

In this course didactic, clinical, bed-side and out-patient instruction will be given. This instruction will be given in the University Hospital Amphitheatre and Dispensary, Maryland General, at the Kernan Hospital and Industrial School for Crippled Children, at "Radnor Park," and Dispensary of same at 2000 North Charles Street. Twenty-eight weekly lectures will be given in the University Amphitheater to the senior class as a whole and sections will be assigned to the out-patient and bed-side clinics.

The course will cover instruction in special methods and instruments required in this surgical specialty, including x-ray technique; Wolff's law; tuberculosis of bones and joints; deformities of the feet; non-tubercular diseases and deformities of bones and joints; the paralyses; the bursal, tendonous and muscular conditions producing orthopedic affections; rickets, scurvy, osteomalacia and chondrodystrophies; wry-neck and the use and application of orthopedic apparatus.

DISEASES OF THE THROAT AND NOSE.

Samuel K. Merrick, M.D.....Professor of Diseases of the Throat and Nose
John R. Winslow, A.B., M.D., Professor of Diseases of the Throat and Nose
R. H. Johnston, A.B., M.D., Clinical Professor of Diseases of the Throat and Nose
H. C. Davis, M.D.....Demonstrator of Diseases of the Throat and Nose
George Murgatroyd, M.D., Demonstrator in Diseases of the Throat and Nose
E. G. Marr, M.D.....Assistant in Diseases of the Throat and Nose

Fourth Year. Clinical lectures. One hour each week through out the session. Professors Merrick and John R. Winslow.

Dispensary instruction in small sections, six hours each week at the University Hospital. Clinical Professor Johnston and Dr. Davis.

Dispensary instruction in small sections, six hours each week at the Maryland General Hospital. Drs. Murgatroyd and Marr.

GENITO-URINARY DISEASES.

Gideon Timberlake, M.D.....Professor of Genito-Urinary Diseases
Page Edmunds, M.D.....Clinical Professor of Genito-Urinary Diseases
W. B. Wolf, M.D.....Associate Professor of Genito-Urinary Diseases
A. J. Underhill, A.B., M.D.....Associate in Genito-Urinary Diseases
Wm. M. Byerly, M.D.....Assistant in Genito-Urinary Diseases

This course is entirely clinical and is taught chiefly in the dispensary. The student assumes the responsibility of certain cases under the supervision of instructors.

The course includes the diagnosis, pathology and treatment of venereal diseases and syphilis together with a careful study of the less common genito-urinary diseases. The course includes instruction in urinalysis, in endoscopic and cystoscopic examinations and the use of other instruments for the diagnosis and treatment of genito-urinary diseases. Many minor operations are performed in the out-patient department.

DISEASES OF THE COLON AND RECTUM.

G. Milton Linthicum, M.D.....Professor of Diseases of Rectum and Colon
J. Dawson Reeder, M.D.....Associate in Diseases of Rectum and Colon
John G. Jeffers, M.D.....Instructor in Diseases of Rectum and Colon

Fourth Year. This course is for instruction in diseases of the Colon, Sigmoid Flexure, Rectum, and Anus.

One lecture a week throughout the year will be given in the Clinical Amphitheater of the University Hospital. The lectures will cover the essential features of the Anatomy, and Physiology of the large intestine; as well as the various diseases to which it is subject. The importance of diseased conditions and malpositions of the intestines, in relations to systemic disturbances, will be emphasized by demonstrations.

In small groups, the students will be taken into the amphitheater, wards and dispensaries of the University Hospital and the Maryland

General Hospital, where different phases of the various diseases will be taught by direct observation and examination. The use of the proctoscope and sigmoidoscope in examination of the rectum and sigmoid will be made familiar to each student.

A course in Proctoscopy will be given at the City Hospitals at Bay View, where abundance of material is always obtainable.

The methods of treatment, used in the office will be shown by treatment in the dispensary. Major and radical operative treatment will be given in the operating rooms in such manner that the student can be a part of it.

DEPARTMENT OF MEDICINE AND MEDICAL SPECIALTIES.

Ernest Zueblin, M.D. ..... Professor of Medicine
David Streett, A.M., M.D. ..... Professor of Practice of Medicine
Charles W. Mitchell, A.M., M.D. ..... Professor of Clinical Medicine
Gordon Wilson, M.D. ..... Professor of Principles of Medicine
Harry Adler, B.A., M.D. ..... Professor of Clinical Medicine
J. M. Craighill, M.D. ..... Professor of Clinical Medicine
Jos. E. Gichner, M.D. ..... Professor of Clinical Medicine
Charles McElfresh, M.D. ..... Professor of Clinical Medicine
G. C. Lockard, M.D. ..... Associate Professor of Clinical Medicine
E. B. Freeman, S.B., M.D. ..... Associate Professor of Clinical Medicine
Thomas W. Keown, A.B., M.D. ..... Associate Professor of Clinical Medicine
Wm. H. Smith, M.D. ..... Associate in Clinical Medicine
J. Somerville Fischer, A.B., M.D. ..... Associate in Clinical Medicine
W. I. Messick, M.D. ..... Associate in Clinical Medicine
R. C. Metzel, M.D. ..... Demonstrator of Medicine
G. S. M. Kieffer, M.D. ..... Demonstrator of Medicine
J. F. O'Mara, M.D. ..... Demonstrator of Medicine
H. D. McCarty, M.D. ..... Demonstrator of Medicine
Wilbur P. Stubbs, M.D. ..... Demonstrator of Medicine
G. M. Settle, M.D. ..... Demonstrator of Medicine
J. E. Brumback, M.D. ..... Assistant in Medicine

Second Year. Didactic lectures and practical demonstrations in medical topography and the physical conditions in health, preparatory to the course in physical diagnosis in the third year. Two and one-half hours each week during the second semester. Professor Zueblin.

Third Year. Didactic lectures and recitations on the principles of medicine, three hours a week throughout the session. Professor Wilson.

Applied Therapeutics. Lectures and conferences; one hour a week to entire class throughout the session.

This course is supplementary to the lectures on the principles of medicine, and an effort is made to familiarize the student with the practical treatment of disease. Dr. Messick.

Clinical Medicine. Conference and recitations; one hour each week to entire class throughout the session. This course is supplementary to the lectures on the principles of medicine. Associate Professor Freeman.

Clinical conference; one hour each week throughout the session to the entire class. Professor Mitchell.

Physical Diagnosis. The class is divided into small groups, and each section receives instruction two hours each week for the entire session in the medical dispensaries of the University and Maryland General Hospitals. During the second semester, the students under the supervision of the instructors in medicine examine and treat patients in the medical dispensary.

The class is divided into small groups and in the afternoons during one semester these groups are sent to the City Hospitals at Bay View and Maryland General Hospital for further instruction in history taking and physical diagnosis, one hour each week.

Fourth Year. Lectures, recitations and clinics, two hours a week to the entire class. Professors Street and Wilson.

Clinical conference one hour a week at the Maryland General Hospital. Professor Street.

Pathological-clinical conference, one hour a week to entire class. Professors Zueblin and Hirsh.

Clinical conference, one hour a week to entire class. Professor Zueblin.

The class is divided into sections for medical ward class instruction three hours each week throughut the session. Professors Zueblin, Street, Adler, Craighill, Gichner and McElfresh.

Dispensary Instruction. The medical dispensary is daily from 12 to 1 p.m., and the class is divided into small groups for practical instruction in the diagnosis and treatment of medical ailments. The dispensaries at the University and at the Maryland General Hospitals are available for this work.

Clinical Clerk Service. Each man is required to study carefully a number of cases during the course for presentation at the medical ward classes and clinics. This includes a written history and physical examination and examination of urine, blood, stomach contents and faeces. Professors Zueblin and Street.

DISEASES OF CHILDREN.

Charles W. Mitchell, A.M., M.D.....Professor of Pediatrics
Charles O'Donovan, A.M., M.D., LL.D.....Professor of Clinical Pediatrics
G. C. Lockard, M.D.....Associate Professor of Pediatrics
J. Somerville Fischer, A.B., M.D.....Associate in Pediatrics
J. E. Poulton, M.D.....Associate in Pediatrics

Fourth Year. Lectures and recitations, two hours each week. Professor O'Donovan and Associate Professor Lockard.

Clinical conference, one hour each week at University Hospital. Professor Mitchell.

The class is divided into groups and receives clinical instruction at the Maryland General Hospital and St. Vincent's Infant Asylum, three groups each week. Professor O'Donovan and assistants.

Dispensary instruction daily at the University Hospital. Dr. Lockard.

DISEASES OF THE STOMACH AND INTESTINES AND OF METABOLISM

John C. Hemmeter, M.D., Ph.D., Sc.D., LL.D., Professor of Clinical Medicine
A. H. Carroll, M.D.....Associate in Gastro-Enterology
J. Harry Ulrich, M.D.....Instructor in Gastro-Enterology

This course consists of an out patient department or polyclinic in which the students of the graduating class are assigned weekly upon cases which they are directed to study and examine thoroughly and to report in person to the principal clinic once a week.

All physical, chemical and microscopic work is done by the student himself and the report is read, with the presentation of the patient, which is followed by a conference with the director of the clinic. Many of these reports were of such merit that they were published in the *Hospital Bulletin*, and they are made to figure in forming the general average of the student.

In addition to the ordinary diseases of the gastro-intestinal tract, this course embraces diseases of the soft tissues of the mouth and of the esophagus; gastroscopy; esophagoscopy and duodenal intubation.

NEUROLOGY.

Irving J. Spear, M.D.....Professor of Neurology
G. M. Settle, M.D..... Demonstrator in Neurology
Milton P. Hill, M.D.....Instructor in Neurology
A. L. Fehsenfeld, M.D.....Assistant in Neurology
Harry A. Bishop, M.D.....Assistant in Neurology

Third Year. Lectures and recitations; one hour each week to entire class throughout the year. This course includes anatomy and

physiology of the nervous system. The method of neurological examination and relationship of signs and symptoms to pathological conditions are taught. The material at the University, Maryland General and City Hospitals is available

FOURTH YEAR. Lectures and recitations; one hour each week throughout the entire session.

Clinical Conference, one hour each week to the entire class. This subject is taught at the University, Maryland General and City Hospitals at Bay View. All cases presented at these clinics are carefully examined; and complete written records are made by the students who demonstrate the case before the class. These cases are usually assigned one or two weeks before they are presented, and each student in the class, must prepare one or more cases during the year.

Ward Class Instruction. In small sections, two hours each week during entire year at the University and Maryland General Hospitals. In these classes the students come in close personal contact with the cases in the wards under the supervision of the instructors.

Dispensary Instruction. Small sections are instructed in the dispensary, four afternoons each week, in this way students are brought in contact with nervous diseases in their earlier as well as later manifestations.

Electro Therapeutics. Instruction in the uses of the various types of electrical apparatus is given by lectures and demonstrations in the clinics, ward classes and out patient department.

MEDICAL JURISPRUDENCE AND HYGIENE.

JOSEPH T. SMITH, M.D.....Professor of Medical Jurisprudence and Hygiene

SECOND YEAR. One hour each week for entire session.

Medical Jurisprudence. This course embraces consideration of medical evidence and testimony, confidential communications, malpractice, indications of death, pregnancy, delivery, infanticide and insanity.

Hygiene. This course embraces consideration of impurities in air, purification of air, lighting, heating, purification of water, filtration, removal of waste, disposal of sewerage, disinfectants, practical disinfection, food, preservation of food, beverages, exercise and clothing.

CLINICAL PATHOLOGY.

E. L. WHITNEY, M.D.....Associate Professor of Clinical Pathology
H. U. TODD, M.D.....Demonstrator of Clinical Pathology
H. BOYD WYLIE, M.D.....Demonstrator in Clinical Pathology

This is a practical laboratory course, with a portion of the time devoted to lectures. Eleven hours each week for one semester.

The practical application of chemistry, physical chemistry, physiology and microscopy to the diagnosis and study of disease is taught. Each student is required to make examinations of stomach contents, faeces, blood, urine, sputum, and exudates and transudates. Especial effort is made to show the relation of laboratory findings to the history and course of the disease as observed in clinical work. Haematology is taken up and haematological technique taught. Parasitology and its bearing on clinical medicine is considered. Serum changes in disease and immunity are also carefully outlined.

TUBERCULOSIS OF THE LUNGS.

GORDON WILSON, M.D.....Professor of Principles of Medicine
JOHN E. O'NEILL, M.D.....Chief of Clinic

A practical course is given in the Dispensary and at the Municipal Tuberculosis Hospital to small groups in the diagnosis and treatment of pulmonary tuberculosis. The abundance of the material, both in incipient and advanced cases, makes this course of value in the practical recognition of the physical signs of the disease.

MENTAL DISEASES.

CHARLES G. HILL, A.M., M.D.....Professor of Psychiatry
J. CLEMENT CLARK, M.D.....Associate Professor of Psychiatry
J. PERCY WADE, M.D.....Associate in Psychiatry
FRANK W. KEATING, M.D.....Lecturer on Psycho-Asthenics
W. P. E. WYSE, M.D.....Lecturer on Psychiatry

FOURTH YEAR. This course includes clinical lectures at the City Detention Hospital, Spring Grove Asylum, Springfield State Hospital, Mt. Hope Retreat and the Maryland Training School for the Feeble Minded.

STATE MEDICINE.

JOHN S. FULTON, A.B., M.D.....Professor of State Medicine

FOURTH YEAR. Lectures and demonstrations; one hour each week to the entire class throughout the session.

The course in state medicine begins with a study of structure and function of the social organism, as revealed by the numerical analysis of population, births, deaths, sickness and migration. Elementary instruction and practice are given in vital statistics; in medical notification, registration and certification; and in the laws and ordinances

concerning public health. The specific hygiene of the preventable diseases is next taken up, such choice being made as will familiarize the student with the epidemiology of the more important communicable diseases, and with the main instruments of prevention; notification, inspection, segregation, isolation, immunization and disinfection. The course is planned from the viewpoint of official practice in public hygiene.

TROPICAL MEDICINE.

James A. Nydegger, A.M., M.D., Sc.D., Surgeon U.S.P.H. Service, Professor of Tropical Medicine

A course of lectures on tropical diseases to the Senior class was instituted in January, 1913, and continued during the remainder of the scholastic year. Eminent authorities on various subjects of this important branch of medicine delivered lectures during the course, and will continue to deliver lectures during the coming year; one hour each week to the Senior class.

This addition to the curriculum has been made because of the increasing importance of Tropical Diseases; because of the large number of students from southern states attending the school, and because a large number of graduates of this school enter the U. S. Public Health Service and the Army and Navy Medical Corps, and many find employment as civil practitioners in tropical and subtropical countries.

The course includes a thorough and comprehensive discussion of the history, etiology, pathology, morbid anatomy, differential diagnosis, treatment and prophylaxis (with lantern slide illustrations) of the more important tropical diseases, such as amebic and bacillary dysentery, Asiatic cholera, plague, yellow fever, trypanosomiasis (sleeping sickness) filariasis, piroplasmosis, beri beri, dengue, pellagra, leprosy, hook-worm, bilharzia, rocky mountain or tick fever, sprue, spirochætosis, etc., and a study of the various parasites affecting both man and animals.

Clinical lectures, presentation of cases, exhibition of specimens and practical methods of demonstrating the protozoa and parasites causing tropical diseases will also be given.

DEPARTMENT OF OBSTETRICS.

L. E. Neale, M.A., M.D., LL.D.....Professor of Obstetrics
J. M. H. Rowland, M.D.....Professor of Clinical Obstetrics
J. K. B. E. Seegar, M.D.....Associate in Obstetrics
H. S. Gorsuch, M.D.....Instructor in Obstetrics
H. M. Freeman, M.D.....Chief of Out-patient Department

THIRD YEAR. Lectures and recitations two hours each week by Professors Neale and Rowland to entire class.

Special obstetric and gynaecologic pathology, two hours each week by Professor Hirsh and H. J. Maldeis to class sections in the Pathologic laboratory.

Obstetric diagnosis (clinical) three hours each week at University of Maryland Hospital by Professor Neale and three hours each week at Maryland Lying-In Hospital by Professor Rowland to class sections.

At the end of this year there will be a written examination covering the subject as taught which will count one-half of the final grade in Obstetrics.

FOURTH YEAR. Lectures and recitations two hours each week to the entire class. Professors Neale and Rowland.

Operative obstetrics (manikin work) one hour each week by Professor Neale and assistants to class sections.

Students are required to attend obstetric cases before, during and after confinement both in the University Hospital and the Maryland Lying-In Hospital as well as the out patient department associated with both hospitals and each student will be required to conduct and make accurate records of at least ten confinement cases seen under the personal supervision of one of the physicians connected with this department.

Throughout this year recitations, operative work and clinical work will total the remaining half of the final grade.

There are about 2000 obstetric cases annually available for teaching purposes and the student is afforded opportunities for instruction in this most important branch of medical science which are equalled by very few other schools in this country.

There are ample accommodations in both hospitals for public and private patients.

DEPARTMENT OF DISEASES OF WOMEN.

THOS. A. ASHBY, M.D., LL.D.....Professor of Diseases of Women
W. B. PERRY, M.D.....Professor of Clinical Gynecology
J. MASON HUNDLEY, M.D.....Professor of Clinical Gynecology
H. W. BRENT, M.D.....Associate Professor of Gynecology
E. H. HAYWARD, M.D.....Associate in Gynecology
R. G. WILLSE, M.D.....Demonstrator of Gynecology
W. K. WHITE, M.D.....Instructor in Gynecology
R. L. MITCHELL, M.D.....Instructor in Gynecology
S. H. STREETT, S.B., M.D.....Instructor in Gynecology
J. M. FENTON, M.D.....Assistant in Gynecology
MAURICE LAZENBY, A.B., M.D.....Assistant in Gynecology
L. H. DOUGLAS, M.D.....Assistant in Gynecology

THIRD YEAR. Lectures, one hour each week throughout the course, thirty-two hours. Professor Ashby.

The class is divided into sections for recitations and conferences one hour each week. Drs. Brent, Hayward, Willse, Mitchell, Streett, and Fenton.

The class is divided into sections and receives instructions one hour weekly in diagnosis and gynaecological operations at the University Hospital. Professor Hundley.

Sections in diagnosis and gynaecological operations two hours each week at the City Hospitals at Bay View. Dr. Brent.

Sections in diagnosis and gynaecological operations one hour each week at the Maryland General Hospital. Professor Perry.

FOURTH YEAR. Operative Gynaecology two hours each week to the entire class. Professors Ashby, Perry and Hundley.

Dispensary Instruction. The class is divided into small groups and receives instruction daily in the out patient departments of the University and Maryland General Hospitals.

THE UNIVERSITY OF MARYLAND HOSPITAL TRAINING SCHOOL FOR NURSES.

ETHEL P. CLARK, R.N., M.U.H. '06.
Superintendent of Training School.
MARY E. SULLIVAN, R.N., M.U.H. '11.
Assistant Superintendent.

The University of Maryland Hospital Training School for Nurses offers a three years' course of training.

Those wishing to obtain the course of instruction must apply personally or by letter to the Superintendent of Nurses, who will furnish printed instructions respecting the personal information to be given by applicants. Letters of application should be accompanied by a statement from a clergyman testifying to good moral character and from a physician certifying to sound health and unimpaired faculties. Applicants must be between twenty-two and thirty-five years of age, of at least average height and physique, and must give satisfactory evidence of fitness in disposition and temperament for the work of nursing.

If approved, applicants are received into the school for a period of six months on probation during which time demonstration classes are held and they are given instruction in the elementary part of the training.

Classes are formed and pupils are received in the spring and autumn.

High school graduates and women of higher education are given

the preference. Their superior preparation makes them better fitted for the opportunities that are opening up in the profession of nursing. Graduates of this school are elegible for Red Cross and all Government work.

The Superintendent of Nurses decides as to the fitness of probationers for the work and the propriety of retaining or dismissing them and she may at any time determine the connection of a pupil with the school in case of misconduct, inefficiency or neglect of duty.

Except under special circumstances failure to pass the examinations at the end of the first year is considered a sufficient cause for the termination of a student's connection with the school.

Students reside in the home and serve as assistants in the various departments of the Hospital for the full three years. They are expected to perform any duty assigned to them by the Superintendent of Nurses.

After the months of probation, students are required when on duty, to wear the dress prescribed by the Hospital which is blue and white striped gingham, with white apron and cap and linen collar and cuffs. Probationers are not allowed to wear this dress.

Day Nurses are on duty from 7 a.m. to 7 p.m with one-half hour for dinner and three hours for rest and recreation. They are given an afternoon each week and part of every Sunday. Each student is required to devote at least one hour daily to lecture, class work or study. A vacation of three weeks is allowed each year.

In sickness all students are cared for gratuitously, but the time so lost must be made up.

The course of training includes practical instruction in the nursing of medical, surgical, orthepedic, gynaecological patients, obstetrics, the nursing of children and the operating room work.

A course of lectures is given by the physicians and surgeons of the University and class instruction with demonstrations by the Superintendent of Nurses and her assistants. Examinations are held at stated periods

When the full term of three years is ended, the nurses thus trained will be at liberty to choose their own fields of labor, whether in hospitals, in private families, or in the various branches of social work which offer such tremendous opportunities for the woman of abilty. A diploma is given upon completion of course of training.

In addition to board, lodging and a reasonable amount of laundry work, each student receives an allowance of $5.00 per month to defray the expenses of uniforms, text-books, etc. incidental to her training.

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The following, all Alumni of the University, constitute the Board of Trustees of this Fund:

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This Board is incorporated by act of the Legislature of the State, its legal title being "The Trustees of the Endowment Fund of the University of Maryland," and is independent and self-perpetuating, filling itself its vacancies. Its powers are limited *to the expenditure of the interest derived from the fund*, which is to be applied in the discretion of the Board for the benefit of the University. Contributions, donations and bequests are solicited from Alumni and friends. They may be made to the general or University Fund to the Medical Fund or to any other department of the University. If intended for the School of Medicine, they may be given to the general medical fund or to some special object, as building, research, library, pathology, hospital, publication, laboratories, gymnasium, scholarship, medal,

prize, etc., in which case the wishes of the donor will be strictly regarded. Attention is invited to the "Charles Frick Research Fund," already established in memory of that distinguished investigator. Checks should be made payable to Charles Markell, Treasurer, 1137 Calvert Building, Baltimore, Md.

FORMS OF DEVISE OR BEQUEST.

To School of Medicine.

I give, devise and bequeath to the Regents of the University of Maryland, a corporation incorporated under the laws of the State of Maryland, for the benefit of the Faculty of Physic.....

(Here state amount or describe property.)

To Endowment Fund.

I give, devise and bequeath to the Trustees of the Endowment Fund of the University of Maryland, a corporation incorporated under the laws of the State of Maryland, for the benefit of the Faculty of Physic.....

(Here state amount or describe property.)

ALUMNI ASSOCIATION.

UNIVERSITY OF MARYLAND MEDICAL DEPARTMENT.

All alumni in good standing are eligible to membership.

The membership fee is $1.00 per annum, payable in March.

The annual meetings are held on or about Commencement Day, and an orator will be selected to deliver an address upon these occasions.

The Banquet, which follows the delivery of the oration, is a reunion of old classmates, to which members who have paid their dues in full and candidates who have paid their initiation fee are admitted without extra charge.

The following are the officers for the current year:

President—James H. Jarrett, M.D.

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Application for membership should be accompanied with *Initiation Fee of* $1.00 and mailed to the *Corresponding Secretary or Treasurer.*

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Secretary—John Henry Skeen.

Corresponding Secretary—Edward P. Crummer.

YOUNG MEN'S CHRISTIAN ASSOCIATION

OF THE

UNIVERSITY OF MARYLAND.

J. E. Evans, *President.*

This Association since its establishment, eighteen years ago, has steadily grown in numbers and influence and has met a need of College life.

All students of any Department of the University are eligible to membership as actives or associates, which membership includes special privileges in the City Association.

The Association now occupies comfortable rooms in one of the buildings of the University.

Bible and Mission Classes are maintained by the Association throughout the College year, and every effort is exerted to promote Christian character and morality.

A committee of members will be on hand at the opening of the session to welcome new students to the University, and will also be glad to render assistance in the way of securing comfortable rooms, boarding houses, etc., and to extend any other courtesies possible.

All young men who intend to enter the University are cordially invited to share in the privileges of the Association, and to address the officer named below, who will be glad to furnish any information desired regarding the Association and its work, and to render any assistance in his power, and upon arriving in the city are requested to make themselves known as soon as possible.

J. E. Evans, *President.*
University of Maryland, Baltimore, Md.

UNIVERSITY OF MARYLAND.

DEPARTMENT OF ARTS AND SCIENCES.

St. John's College, Annapolis, Md.

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JOHN B. WHITE, M.A. (Graduate of Geneva College), Professor of Greek and Latin.
BENJAMIN HARRISON WADDELL, M.A. (Graduate of Washington and Lee University), Professor of Mathematics.
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ADOLF SCHUMACHER, Ph.D. (Graduate of Göttingen and University of Pennsylvania), Professor of French and German.
SIDNEY GUNN, B.A., M.A. (Graduate of Harvard University), Professor of English.
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DENTAL DEPARTMENT.

The regular Winter Session begins on October 1 of each year, and continues until the following May.

The requirements for admission are the same as in all other reputable dental colleges.

FACULTY.

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J. S. GEISER, D.D.S., Associate Professor of Dental Prosthesis and Operative and Prosthetic Technics.
J. W. HOLLAND, M.D., Associate Professor of Anatomy.
L. WHITING FARINHOLT, D.D.S., Demonstrator of Crown-Bridge, Porcelain and Inlay Work.
CLYDE V. MATTHEWS, D.D.S., Instructor of Histology and Dental Anatomy.
ROBERT P. BAY, M.D., Instructor in Oral Surgery.
ROBERT L. MITCHELL, M.D., Instructor of Bacteriology and Pathology.
E. FRANK KELLY, Ph.G., Director of Chemical Laboratory.
FRANCIS J. VALENTINE, A.M., D.D.S., Director of Dental Infirmary.

For information and annual catalogue address T. O. Heatwole, M.D., D.D.S., Dean, Baltimore, Md.

UNIVERSITY OF MARYLAND.

LAW DEPARTMENT.

FORTY-FIFTH ANNUAL SESSION.

THE BOARD OF INSTRUCTION.

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For catalogue containing full information, address, EDWIN T. DICKERSON, Secretary and Treasurer of Law Faculty, 301 St. Paul St., Baltimore, Md.

DEPARTMENT OF PHARMACY.

MARYLAND COLLEGE OF PHARMACY, 1841-1904.
THE SEVENTY-FIRST ANNUAL SESSION.

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UNIVERSITY HOSPITAL

UNIVERSITY OF MARYLAND—GENERAL VIEW

ANNUAL ANNOUNCEMENT

OF

UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE

AND

COLLEGE OF PHYSICIANS AND SURGEONS

BALTIMORE, MARYLAND

SESSION 1915-1916

BALTIMORE
WILLIAMS & WILKINS COMPANY
1915

UNIVERSITY HOSPITAL

MARYLAND GENERAL HOSPITAL

The University of Maryland School of Medicine

and

The College of Physicians and Surgeons

1915

CALENDAR.

1915.

June 1 to September 30.—Daily Clinics at University, Mercy and Maryland General Hospitals.
October 1.—Regular Session begins.
October 11.—Re-examination of Deficient Students and Examination for Advanced Standing.
November 24.—Thanksgiving Recess begins. 6 p.m.
November 29.—Thanksgiving Recess ends. 9 a.m.
December 23.—Christmas Recess begins. 6 p.m.

CHRISTMAS RECESS.

1916.

January 3.—Lectures resumed. 9 a.m.
June 1.—Commencement, Annual Meeting of Alumni Associations.

DEPARTMENTS
OF THE
UNIVERSITY OF MARYLAND.

THE UNIVERSITY is represented by five departments, each having a distinct Faculty of Instruction.

1st. The College of Liberal Arts at Annapolis, Md. St. John's College, Annapolis Md., founded in 1696, has by affiliation become the Department of Arts and Sciences. The curriculum leads to the degree of Bachelor, or Master of Arts or Sciences.

2d. The School of Medicine in Baltimore, Md. The University of Maryland was established in Baltimore in 1807; The College of Physicians and Surgeons was established in Baltimore in 1872. The consolidated school offers a high grade course in medicine extending over a period of four years, and leading to the degree of Doctor of Medicine.

3d. The School of Law in Baltimore, Md. This school, founded in 1812 and reorganized in 1869, is designed by means of a course of study covering three years to qualify its students for the degree of Bachelor of Laws and for an intelligent practice of the Law.

4th. The School of Dentistry was founded in 1882, and is designed to teach the art of dentistry as an integral part of the School of Medicine. The course of study leading to the degree of Doctor of Dental Surgery covers a period of three years.

5th. The School of Pharmacy was established in 1841 as the Maryland College of Pharmacy, and affiliated with the School of Medicine in 1904. The course of study covers two years, and leads to the degree of Graduate in Pharmacy.

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UNIVERSITY OF MARYLAND.

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The duty of this council is to formulate the scheme of studies to be pursued by students desiring both an academic and a professional, or scientific degree, and to act upon such other matters as may be brought before them.

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HON. PHILLIPS LEE GOLDSBOROUGH
Governor of Maryland.

The Provost,
THOMAS FELL, PH.D., LL.D., D.C.L.
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UNIVERSITY OF MARYLAND.

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FOUNDED 1807.

COLLEGE OF PHYSICIANS AND SURGEONS.

FOUNDED 1872.

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William F. Lockwood, M.D., Professor of Medicine.
George W. Dobbin, A.B., M.D., Professor of Obstetrics and Gynecology.
William Royal Stokes, M.D., Sc.D., Professor of Pathology and Bacteriology.
Harry Friedenwald, A.B., M.D., Professor of Ophthalmology and Otology.
Archibald C. Harrison, M.D., Professor of Surgery.
Cary B. Gamble, Jr., A.M., M.D., Professor of Clinical Medicine.
William S. Gardner, M.D., Professor of Gynecology.
Standish McCleary, M.D., Professor of Pathology.
Julius Friedenwald, A.M., M.D., Professor of Gastro-Enterology.
Ernest Zueblin, M.D., Professor of Experimental and Clinical Medicine.
Jose L. Hirsh, A.B., M.D., Professor of Clinical Pediatrics.
Hiram Woods, A.M., M.D., Professor of Ophthalmology and Otology.
John S. Fulton, A.B., M.D., Professor of State Medicine.
Harry Adler, A.B., M.D., Professor of Clinical Medicine.
Thomas C. Gilchrist, M.R.C.S., L.S.A., M.D., Professor of Dermatology.
Frank Martin, B.S., M.D., Professor of Clinical and Operative Surgery.
Charles G. Hill, A.M., M.D., Professor of Psychiatry.
A. C. Pole, M.D., Professor of Descriptive Anatomy.
J. D. Blake, M.D., Professor of Clinical Surgery.
J. Frank Crouch, M.D., Professor of Clinical Ophthalmology and Otology.
J. M. H. Rowland, M.D., Professor of Clinical Obstetrics.
Charles O'Donovan, A.M., M.D., LL.D., Professor of Clinical Pediatrics and Clinical Medicine.

G. Milton Linthicum, A.M., M.D., Professor of Diseases of the Rectum and Colon.

W. B. Perry, M.D., Professor of Clinical Gynecology.

Tilghman B. Marden, A.B., M.D., Professor of Histology and Embryology.

J. Mason Hundley, M.D., Professor of Clinical Gynecology.

Joseph T. Smith, M.D., Professor of Hygiene.

R. Tunstall Taylor, M.D., Professor of Orthopedic Surgery.

John R. Winslow, A.B., M.D., Professor of Diseases of the Throat and Nose.

J. M. Craighill, M.D., Professor of Clinical Medicine.

Jos. E. Gichner, M.D., Professor of Clinical Medicine and Physical Therapeutics.

Charles W. McElfresh, M.D., Professor of Clinical Medicine.

Irving J. Spear, M.D., Professor of Neurology.

Gideon Timberlake, M.D., Professor of Genito-Urinary Diseases.

Jas. A. Nydegger, A.M., M.D., Sc.D., Surg. U. S. P. H. Service, Professor of Tropical Medicine.

Edward N. Brush, M.D., Professor of Psychiatry.

C. Hampson Jones, M.B., C.M. (Edinburgh), M.D., Professor of Hygiene and Public Health.

John Ruhrah, M.D., Professor of Pediatrics.

Charles F. Blake, A.M., M.D., Professor of Proctology.

Charles E. Simon, A.B., M.D., Professor of Clinical Pathology and Experimental Medicine.

Frank Dyer Sanger, M.D., Professor of Diseases of Throat and Nose.

Bartgis McGlone, A.B., Ph.D., Professor of Physiology.

G. Carroll Lockard, M.D., Professor of Clinical Medicine and Director of Medical Clinic.

Samuel J. Fort, M.D., Professor of Materia Medica and Pharmacology.

John G. Jay, M.D., Clinical Professor of Surgery.

Nathan Winslow, A.M., M.D., Clinical Professor of Surgery.

Page Edmunds, M.D., Clinical Professor of Genito-Urinary Diseases.

Wm. Tarun, M.D., Clinical Professor of Ophthalmology and Otology.

Charles E. Brack, Ph.G., M.D., Clinical Professor of Obstetrics.

Harvey G. Beck, Ph.G., M.D., Clinical Professor of Medicine.

Albertus Cotton, A.M., M.D., Clinical Professor of Orthopedic Surgery and Roentgenology.

Alexius McGlannan, A.M., M.D., Clinical Professor of Surgery and Surgical Pathology.

Andrew C. Gillis, A.M., M.D., Clinical Professor of Neurology and Psychiatry.

Joseph W. Holland, M.D., Associate Professor of Anatomy and Clinical Surgery.

E. L. Whitney, M.D., Associate Professor of Physiological Chemistry, Pharmacology and Clinical Pathology.

E. B. Freeman, B.Sc., M.D., Associate Professor of Clinical Medicine.

H. R. Spencer, M.D., Associate Professor of Pathology and Bacteriology.

E. R. Strobel, A.B., M.D., Associate Professor of Dermatology.

W. B. Wolf, M.D., Associate Professor of Genito-Urinary Diseases.

Thomas W. Keown, A.B., M.D., Associate Professor of Clinical Medicine.

J. Clement Clark, M.D., Associate Professor of Psychiatry.
Hugh Brent, M.D., Associate Professor of Gynecology.
Alfred Ullman, M.D., Associate Professor of Surgery and Associate in Anatomy.
Wm. I. Messick, M.D., Associate Professor of Therapeutics and Clinical Medicine.
Holliday H. Hayden, M.D., Associate Professor of Applied Anatomy.
Melvin Rosenthal, M.D., Associate Professor of Genito-Urinary Surgery and Dermatology.
Hubert C. Knapp, M.D., Associate Professor of Medicine.
Abraham Samuels, Ph.G., M.D., Associate Professor of Gynecology.
William W. Requardt, M.D., Associate Professor of Surgery.
Caleb W. G. Rohrer, A.M., M.D., Ph.D., Associate Professor of Pathology.
Glenn M. Litsinger, A.B., M.D., Associate Professor of Obstetrics.
George W. Mitchell, M.D., Associate Professor of Diseases of Throat and Nose.
Walter D. Wise, M.D., Associate Professor of Surgery.
A. Ferdinand Ries, M.D., Associate Professor of Anatomy.
G. Howard White, A.B., M.D., Associate Professor of Physiological Chemistry and Clinical Pathology.
Edgar B. Friedenwald, M.D., Associate Professor of Pediatrics.
Lewis J. Rosenthal, M.D., Associate Professor of Proctology.
J. R. Abercrombie, A.B., M.D., Associate Professor of Dermatology.
Wm. Greenfeld, M.D., Associate Professor of Pathology and Bacteriology.
C. C. Conser, M.D., Associate Professor of Physiology.
Wm. H. Smith, M.D., Associate in Clinical Medicine.
H. E. Peterman, M.D., Associate in Ophthalmology and Otology.
H. J. Maldeis, M.D. Associate in Clinical Pathology and Pathologist to University Hospital.
Compton Riely, M.D., Associate in Orthopedic Surgery.
A. H. Carroll, M.D., Associate in Gastro-Enterology and Assistant Gastro-Enterologist to the University Hospital.
J. Dawson Reeder, M.D., Associate in Proctology.
E. F. Kelly, Phar.D., Associate in Chemistry.
J. C. Lumpkin, M.D., Associate in Clinical Surgery.
J. Somerville Fischer, A.B., M.D., Associate in Clinical Medicine and Pediatrics.
E. H. Hayward, M.D., Associate in Gynecology.
H. C. Blake, M.D., Associate in Clinical Surgery.
J. L. Wright, M.D., Associate in Anatomy and Histology.
Sydney M. Cone, A.B., M.D., Associate in Orthopedic Surgery.
Clyde A. Clapp, M.D., Associate in Ophthalmology and Otology.
J. E. Poulton, M.D., Associate in Pediatrics.
J. Percy Wade, M.D., Associate in Psychiatry.
A. J. Underhill, A.B., M.D., Associate in Genito-Urinary Diseases.
G. W. Hemmeter, M.D., Associate in Physiology.
Robert P. Bay, M.D., Associate in Surgery.
Frank S. Lynn, M.D., Associate in Surgery.
Henry Chandlee, M.D., Associate in Roentgenology.

H. L. Sinsky, M.D., Associate in Materia Medica.
H. W. Stoner, M.D., Associate in Pathology and Bacteriology.
G. M. Settle, A.B., M.D., Associate in Neurology and Clinical Medicine.
R. C. Metzel, M.D., Associate in Clinical Medicine.
H. D. McCarty, M.D., Associate in Clinical Medicine.
Wilbur P. Stubbs, M.D., Associate in Clinical Medicine.
John E. O'Neill, M.D., Associate in Clinical Medicine.
H. Boyd Wylie, M.D., Associate in Physiological Chemistry, Pharmacology and Clinical Pathology.
L. W. Ketron, A.B., M.D., Associate in Dermatology.
T. Fredk. Leitz, M.D., Associate in Gastro-Enterology.
Anton G. Rytina, A.B., M.D., Associate in Genito-Urinary Diseases.
Wm. T. Watson, M.D., Associate in Medicine.
Geo. A. Strauss, Jr., M.D., Associate in Gynecology.
H. K. Fleckenstein, M.D., Associate in Ophthalmology and Otology.
C. C. W. Judd, A.B., M.D., Associate in Medicine.
Maurice Lazenby, M.D., Associate in Obstetrics.
T. F. E. Bess, M.D., Associate in Surgery.
W. Milton Lewis, M.D., Associate in Clinical Pathology.
Joseph I. Kemler, M.D., Associate in Ophthalmology and Otology.
Elliott H. Hutchins, A.M., M.D., Associate in Surgery.
Thomas R. Chambers, A.B., M.D., Associate in Surgery.
Harvey B. Stone, A.B., M.D., Associate in Surgery.
T. K. Nichols, A.B., M.D., Associate in Physiology.
Henry T. Collenberg, A.B., M.D., Associate in Physiology.
Frank W. Hachtel, M.D., Associate in Bacteriology.
G. F. Sargent, M.D., Associate in Neurology and Psychiatry.
R. W. Locher, M.D., Associate in Clinical and Operative Surgery.
Emil Novak, M.D., Associate in Obstetrics.
Frank W. Keating, M.D., Lecturer on Psycho-Asthenics.
W. P. E. Wyse, M.D., Lecturer on Psychiatry.
W. G. Queen, M.D., Lecturer on Osteology.
G. A. Fleming, M.D., Demonstrator of Ophthalmology and Otology.
H. C. Davis, M.D., Demonstrator of Diseases of the Throat and Nose.
H. U. Todd, M.D., Demonstrator of Clinical Pathology.
G. S. M. Kieffer, M.D., Demonstrator of Medicine.
I. F. O'Mara, M.D., Demonstrator of Medicine.
R. G. Willse, M.D., Demonstrator of Gynecology.
George Murgatroyd, M.D., Demonstrator of Diseases of the Throat and Nose.
Arthur G. Barrett, M.D., Demonstrator of Surgery.
Harry M. Robinson, M.D., Demonstrator of Dermatology.
J. F. Hawkins, M.D., Instructor in Neurology.
F. J. Kirby, M.D., Instructor in Surgery.
W. K. White, M.D., Instructor in Gynecology.
R. L. Mitchell, M.D., Instructor in Gynecology.
Fred Rankin, A.M., M.D., Instructor in Surgery.
Milton P. Hill, M.D., Instructor in Neurology.
H. S. Gorsuch, M.D., Instructor in Obstetrics.

S. H. Streett, B.S., M.D., Instructor in Gynecology.
Christian Deetjen, M.D., Instructor in Roentgenology.
S. Griffith Davis, A.B., M.D., Instructor in Anaesthesia.
J. Harry Ulrich, M.D., Instructor in Gastro-Enterology.
L. H. Douglas, M.D., Instructor in Gynecology.
H. J. Walton, M.D., Instructor in Roentgenology.
W. H. Daniels, M.D., Instructor in Orthopedic Surgery.
George E. Bennett, M.D., Instructor in Orthopedic Surgery.
Edward A. Looper, M.D., D.Oph., Instructor in Ophthalmology and Otology.
Ernest G. Marr, M.D., Instructor in Diseases of Rectum and Colon.
Howard D. Lewis, M.D., Instructor in Surgery.
J. M. Fenton, M.D., Assistant in Gynecology.
S. A. Bain, M.D., Assistant in Dermatology.
Benjamin Pushkin, M.D., Assistant in Neurology.
A. L. Fehsenfeld, M.D., Assistant in Neurology.
Harry A. Bishop, M.D., Assistant in Neurology.
Ernest G. Marr, M.D., Assistant in Diseases of the Throat and Nose.
J. E. Brumback, M.D., Assistant in Medicine.
H. L. Kolseth, M.D., Assistant in Surgery.
J. D. Bubert, M.D., Assistant in Surgery.
F. L. Jennings, M.D., Assistant in Anatomy.
G. H. Woltereck, M.D., Assistant in Pathology and Bacteriology.
John H. Vorhes, M.D., Assistant in Orthopedic Surgery and Roentgenology.
D. D. V. Stuart, Jr., M.D., Assistant in Neurology and Psychiatry.
Isadore Hirschman, M.D., Assistant in Medicine.
C. W. Rauschinbach, M.D., Assistant in Medicine.
John S. Fenby, M.D., Assistant in Pediatrics.

UNIVERSITY HOSPITAL STAFF.

Attending Surgeons.

Randolph Winslow, A.M., M.D., L.L.D. — Frank Martin, B.Sc., M.D.
Arthur M. Shipley, M.D. — J. D. Blake, M.D.
Ridgely B. Warfield, M.D. — Nathan Winslow, A.B., M.D.

Attending Physicians.

Charles W. Mitchell, A.M., M.D. — Harry Adler, A.B., M.D.
John C. Hemmeter, Ph.D., M.D. — Charles O'Donovan, A.M., M.D.
David Streett, A.M., M.D. — J. M. Craighill, M.D.
Ernest Zueblin, M.D. — Jos. E. Gichner, M.D.
Gordon Wilson, M.D. — Charles W. McElfresh, M.D.
G. Carroll Lockard, M.D.

Attending Gynecologists.

Thomas A. Ashby, M.D., L.L.D. — W. B. Perry, M.D.
J. Mason Hundley, M.D.

Attending Obstetricians.

L. E. Neale, M.D., L.L.D. — J. M. H. Rowland, M.D

Attending Ophthalmologists.

Hiram Woods, A.M., M.D. — J. Frank Crouch, M.D.

Attending Laryngologists.

Samuel K. Merrick, A.B., M.D. — John R. Winslow, A.B., M.D.

Attending Proctologist.

G. Milton Linthicum, A.M., M.D.

Attending Orthopedist.

R. Tunstall Taylor, M.D.

Attending Neurologist.

Irving J. Spear, M.D.

Attending Genito-Urinary Surgeons.

Gideon Timberlake, M.D. — Page Edmunds, M.D.
A. J. Underhill, A.B., M.D.

Attending Pathologist.

H. J. Maldeis, M.D.

Attending Roentgenologists.

Henry Chandlee, M.D. — H. J. Walton, M.D.

RESIDENT STAFF.

William J. Coleman, M.D., *Medical Superintendent.*

Resident Surgeons.

Elmer Newcomer, M.D.
W. Houston Toulson, M.S., M.D.
R. L. Johnson, M.D.
L. A. Buie, A.B., M.D.
R. B. Hill, A.M., M.D.
Vincent J. Demarco, M.D.

Resident Physicians.

Harry Stein, M.D.
M. J. Egan, M.D.
B. L. Wilson, M.D.
E. H. Tonolla, M.D.

Resident Gynecologists.

A. S. Coleman, M.D.
Wm. H. Jenkins. M.D.

Resident Obstetricians.

J. C. Brogden, M.D.
P. L. Rush, M.D.
Charles E. Sima, M.D.

Resident Pathologists.

John F. Lutz, A.B., M.D.
G. H. Dorsey, M.D.

CLINICAL ASSISTANTS FOR 1915-1916.

Richard T. Arnest.....*Virginia*
Robert Bailin.....*New York*
Thomas L. Bray.....*North Carolina*
Thomas E. Brown.....*Pennsylvania*
Michael E. Cavello.....*New York*
J. J. Chandler, A.B.....*South Carolina*
C. S. Crook.....*Maryland*
S. T. Day.....*New Jersey*
Thomas Dominguez.....*Porto Rico*
Bernard J. Ferry.....*Pennsylvania*
Frederick T. Foard.....*North Carolina*
Peter N. Gatsopoulos.....*Greece*
George H. Gwynn.....*Florida*
Albert L. Hawn.....*North Carolina*
Juan A. Lay.....*Porto Rico*
Clark S. Long.....*Pennsylvania*
F. J. Mejias.....*Porto Rico*
Joseph Moses.....*New York*
A. B. Nevling.....*Pennsylvania*
Lyman R. Porter.....*Maryland*
M. G. de Quevado.....*Porto Rico*
Chas. A. Reifschneider.....*Maryland*
George W. Rice.....*Maryland*
Herbert W. Rogers.....*Virginia*
A. M. Santos.....*Cuba*
Norwood N. Voss.....*Maryland*
H. W. Gwynn.....*Florida*

The total number of patients treated in the Hospital during the year 1913-14 was 7638.

MERCY HOSPITAL STAFF.

SURGICAL DIVISION.

Surgeons.

JOHN W. CHAMBERS, M.D. ARCHIBALD C. HARRISON, M.D.
ALEXIUS MCGLANNAN, M.D.

Associate Surgeons.

CHARLES F. BLAKE, M.D.
HARVEY B. STONE, M.D.
ELLIOTT H. HUTCHINS, M.D.
ALFRED ULMAN, M.D.
WILLIAM W. REQUARDT, M.D.
WALTER D. WISE, M.D.
THOS. R. CHAMBERS, M.D.
A. G. RYTINA, M.D.

Ophthalmologist and Otologist.

HARRY FRIEDENWALD, M.D.

Rhinologist and Laryngologist.

FRANK D. SANGER, M.D.

Associate Rhinologist and Laryngologist.

GEORGE W. MITCHELL, M.D.

Orthopedist.

ALBERTUS COTTON, M.D.

MEDICAL DIVISION.

Physicians.

WILLIAM F. LOCKWOOD, M.D. CARY B. GAMBLE, JR., M.D.
STANDISH MCCLEARY, M.D.

Associate Physicians

HARVEY G. BECK, M.D.
C. C. W. JUDD, M.D.
HUBERT C. KNAPP, M.D.
WILLIAM T. WATSON, M.D.
LOUIS J. ROSENTHAL, M.D.

Gastro-Enterologist.

JULIUS FRIEDENWALD, M.D.

Associate Gastro-Enterologist.

T. Fredk. Leitz, M.D.

Pediatrists.

John Ruhrah, M.D.

Edgar B. Friedenwald, M.D.

Neurologist.

Andrew C. Gillis, M.D.

Dermatologist.

Melvin Rosenthal, M.D.

OBSTETRICAL DIVISION.

Obstetrician.

George W. Dobbin, M.D.

Associate Obstetricians.

Charles E. Brack, M.D.

Glenn M. Litsinger, M.D.

Emil Novak, M.D.

Maurice Lazenby, M.D.

GYNECOLOGICAL DIVISION.

Gynecologist.

William S. Gardner, M.D.

Associate Gynecologists.

Abraham Samuels, M.D.

George Strauss, M.D.

PATHOLOGICAL DIVISION.

Pathologist.

William Royal Stokes, M.D.

Associate Pathologist.

Standish McCleary, M.D.

CLINICAL PATHOLOGICAL DIVISION.

Clinical Pathologist.

Charles E. Simon, M.D.

PASTEUR DEPARTMENT.

Director.

NATHANIEL G. KEIRLE, M.D.

Assistant Director.

HUBERT C. KNAPP, M.D.

X-RAY DEPARTMENT.

Radiographer.

ALBERTUS COTTON, M.D.

Assistant Radiographer.

JOHN HOWARD VORHES, M.D.

HOSPITAL COMMITTEE.

ARCHIBALD C. HARRISON, M.D., Chairman.
JOHN W. CHAMBERS, M.D.
CHARLES F. BLAKE, M.D.
WILLIAM F. LOCKWOOD, M.D.
WILLIAM S. GARDNER, M.D. Secretary.
CARY B. GAMBLE, M.D.

RESIDENT STAFF.

MERCY HOSPITAL.

E. P. SMITH, M.D., *Superintendent.*

Resident Surgeons.

R. H. WALKER, M.D.
J. B. LOHAN, M.D.
FRANK M. MOOSE, M.D.
H. L. ROGERS, M.D.
R. W. MCKENZIE, M.D.
E. F. GOTT, M.D.
F. X. KEARNEY, M.D.
ALVIN MCCLUNG, M.D.

Resident Physicians.

E. E. MAYER, M.D.
A. E. CALLAGHAN, M.D.
H. H. JOHNSON, M.D.
T. H. MORRISON, M.D.
L. K. FARGO, M.D.

Resident Gynecologist.

H. M. STEWART, M.D.

Resident Obstetrician.

THOMAS K. GALVIN, M.D.

Accident Service.

W. H. BASH, M.D.
FRED. P. WELTNER, M.D.

MARYLAND GENERAL HOSPITAL STAFF.

Rev. Robert L. Wright, *Superintendent.*

Visiting Staff.

Surgeons.

Randolph Winslow, A.M., M.D., LL.D. — Frank Martin, B.Sc., M.D.
Arthur M. Shipley, M.D. — John D. Blake, M.D.
Ridgely B. Warfield, M.D.

Associates.

Nathan Winslow, A.B., M.D. — H. C. Blake, M.D.
J. C. Lumpkin, M.D. — A. G. Barrett, M.D.

Physicians.

Charles W. Mitchell, A.M., M.D. — Harry Adler, A.B., M.D.
John C. Hemmeter, M.D., Ph.D. — A. C. Pole, M.D.
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Gordon Wilson, M.D. — Jos. E. Gichner, M.D.
Chas. W. McElfresh, M.D. — E. B. Freeman, M.D.

Associates.

Thos. W. Keown, A.B., M.D — J. E. Brumback, M.D.
J. Somerville Fischer, A.B., M.D. — Wm. T. Riley, M.D.
J. E. Poulton, M.D.

Neurologists.

Charles G. Hill, A.M., M.D. — Irving J. Spear, M.D.

Associates.

J. Clement Clark, M.D. — J. Percy Wade, M.D
W. P. E. Wyse, M.D.

Laryngologists.

S. K. Merrick, M.D. — John R. Winslow, A.B., M.D.

Obstetricians.

L. E. Neale, M.D., LL.D. — J. M. H. Rowland, M.D.

Gynecologists.

Thomas A. Ashby, M.D., LL.D. — W. B. Perry, M.D.
J. Mason Hundley, M.D.

Associates.

E. H. Hayward, M.D. S. H. Streett, S.B., M D.
Maurice Lazenby, A.B., M.D.

Ophthalmologists.

Hiram Woods, A.M., M.D. J. Frank Crouch, M.D.

Associates.

H. E. Peterman, M.D. Clyde A. Clapp, M.D.
R. D. West, M.D.

Proctologist.

G. Milton Linthicum, A.M., M.D.

Associate.

Ernest G. Marr, M.D.

Radiologist.

John Evans, M.D.

Dermatologist.

E. R. Strobel, A.B., M.D.

Urologists.

W. B. Wolf, M.D Gideon Timberlake, M.D.

Orthopedic Surgeon.

Sydney M. Cone, A.B., M.D.

Pathologist.

H. R. Spencer, M.D.

Chief of House Staff.

John Evans, M.D.

Resident Staff.

J. E. Dull, M.D.
Richard Binion, M.D.
Kenneth McCullough, M.D.
C. H. Moses, M.D.
W. B. Blanchard, M.D.
F. E. Shipley, M.D.
W. A. Bridges, M.D.
S. D. Shannon, M.D.

THE JAMES LAWRENCE KERNAN HOSPITAL AND INDUSTRIAL SCHOOL OF MARYLAND FOR CRIPPLED CHILDREN.

R. Tunstall Taylor, A.B., M.D., *Surgeon-in-Chief.*

W. H. Daniels, M.D., *First Assistant and Dispensary Surgeon.*

W. B. Hunter, M.D., *Second Assistant Surgeon and Superintendent.*

Miss Caroline H. Barney, R.N., *Head Nurse.*

Miss Mary H. Lee, *Principal of School.*

Associate Surgeons.

Sydney M. Cone, A.B., M.D. Compton Riely, M.D.

Plastic Surgeon.

John Staige Davis, B.Sc., M.D.

Attending Physician.

A. D. Atkinson, M.D.

Attending Surgeon.

Frank Martin, B.Sc., M.D.

Attending Laryngologists.

John R. Winslow, A.B., M.D. Richard H. Johnston, M.D.

Attending Dermatologist.

John R. Abercrombie, A.B., M.D.

Attending Pathologist.

Howard J. Maldeis, M.D.

Attending Urologist.

Gideon Timberlake, M.D

Attending Oculist and Aurist.

William Tarun, M.D.

Attending Neurologist.

Irving J. Spear, M.D.

Radiologist.

Henry Chandlee, M.D.

Assistant Radiologist

Henry J. Walton, M.D.

Attending Dentist.

G. E. P. Truitt, D.D.S.

Consulting Surgeons.

L. McLane Tiffany, A.B., M.D. W. S. Halsted. A.B., LL.D., B.Sc., M.D.
Randolph Winslow, A.M., M.D., LL.D. J. M. T. Finney, A.B., M.D.

Consulting Physicians.

Thomas R. Brown, A.B., M.D. Llewellys F. Barker, A.B., M.D.
Thomas B. Futcher, A.B., M.D. Charles W. Mitchell. A.M., M.D.
William S. Thayer, A.B., M.D.

Consulting Oculist.

Hiram Woods, A.B., M.D.

Consulting Laryngologist.

John N. Mackenzie, A.B., M.D.

STAFF OF THE CITY HOSPITALS AT BAYVIEW.

Thomas R. Boggs, S.B., M.D., *Physician-in-Chief.*

Arthur M. Shipley, M.D., *Surgeon-in-Chief.*

Gordon Wilson, M.D., *Physician-in-Chief to the Municipal Hospital for Tuberculosis.*

Milton C. Winternitz, A.B., M.D., *Pathologist.*

Consulting Staff.

Ophthalmologist.

James J. Mills, M.D.

Laryngologist.

Frank Dyer Sanger, M.D.

Otologist.

William Tarun, M.D.

Neurologist.

Henry M. Thomas, M.D.

Gynecologists.

Edward H. Richardson, M.D. Hugh Brent, M.D.

Urologists.

Gideon Timberlake, M.D. John T. Geraghty, M.D.

Dermatologist.

E. A. Strobel, M.D.

Pediatrician.

John Ruhräh, M.D.

ST. ELIZABETH HOME.

Attending Physician.

Edgar B. Friedenwald, M.D.

Surgeon.

Alexis McGlannan, M.D.

Neurologist.

A. C. Gillis M.D.

STAFF OF NURSERY AND CHILD'S HOSPITAL.

Attending Physicians.

Chas. F. Bevan, M.D. Edgar B. Friedenwald, M.D.
John Ruhrah, M.D.,

Resident Physician.

E. F. Gruetzner, M.D.

Consulting Physicians.

John W. Chambers, M.D., Wm. S. Baer, M.D.
Wm. F. Lockwood, M.D., Albertus Cotton, M.D.

Oculist and Aurist.

Harry Friedenwald, M.D.

Superintendent.

Miss Elizabeth M. Stone.

ST. VINCENT'S INFANT ASYLUM.

Visiting Physicians.

CHARLES O'DONOVAN, A.M., M.D.
EUGENE H. HAYWARD, M.D.
ELMER G. HILL, M.D.
P. F. MARTIN, M.D.
J. E. POULTON, M.D.
LEONARD M. C. PARKER, M.D.
J. K. B. E. SEEGAR, M.D.

Visiting Surgeons.

FRANK MARTIN, B.Sc., M.D.
JOHN D. BLAKE, M.D.
R. B. WARFIELD, M.D.

Visiting Oculists and Aurists.

J. FRANK CROUCH, M.D.
CLYDE A. CLAPP, M.D.

Visiting Orthopedic Surgeons.

SYDNEY M. CONE, A.M., M.D.
COMPTON RIELY, M.D.

Visiting Pathologists.

SYDNEY M. CONE, A.M., M.D.
G. CARROLL LOCKARD, M.D.
H. R. SPENCER, M.D.

Resident Interne.

JOHN A. MAXWELL.

MATERNITE HOSPITAL.

Visiting Obstetricians.

GEORGE W. DOBBIN, M.D.
GLENN M. LITSINGER, M.D.
CHARLES E. BRACK, M.D.

Resident Obstetrician.

THOS. K. GALVIN, M.D.

MARYLAND LYING-IN HOSPITAL.

PROF. L. E. NEALE,
PROF. J. M. H. ROWLAND, *Obstetricians.*

Associates.

J. K. B. E. SEEGAR, M.D.
H. S. GORSUCH, M.D.

Resident Obstetrician.

THEODORE B. WARNER, JR , M.D.

UNIVERSITY HOSPITAL DISPENSARY STAFF.

JOHN HOUFF, M.D., *Dispensary Physician.*

FRANK S. LYNN, M.D., *Chief of Out-Patient Department.*
H. D. MCCARTY, M.D., WILBUR P. STUBBS, M.D., G. M. SETTLE, A.B., M.D., *Chiefs of Clinic to the Professor of Medicine.*
S. R. CLARKE, M.D., R. C. METZEL, M.D., H. U. TODD, M.D., W. G. CLOPTON, M.D., EUGENE KERR, M.D., M. S. SCHIMMEL, M.D., WM. I. BUPPERT, M.D., *Assistants.*

R. P. BAY, M.D., *Chief of Clinic to the Professor of Surgery.*
FRANK S. LYNN, M.D., *Associate Chief of Clinic.*
FRED. RANKIN, A.M., M.D., THOS. L. PHILLIPS, M.D., EDGAR S. PERKINS, M.D., EDWARD S. JOHNSON, M.D., W. F. SOWERS, M.D., JOHN SCHWEINSBERG, M.D., CHARLES R. EDWARDS, M.D., *Assistants.*

JOSE L. HIRSH, A.B., M.D., *Professor of Clinical Pediatrics.*
L. H. DOUGLAS, M.D., *Chief of Clinic.*
J. A. SKLADOWSKY, M.D., C. W. RAUSCHENBACH, M.D., *Assistants.*

HUGH BRENT, M.D., W. K. WHITE, M.D., R. L. MITCHELL, M.D., R. G. WILLSE, M.D., L. H. DOUGLAS, M.D., *Chiefs of Clinic to the Professor of Diseases of Women.* M. L. LICHTENBERG, M.D., *Assistant.*

WM. TARUN, M.D., *Chief of Clinic to the Professor of Eye and Ear Diseases.*
E. A. LOOPER, M.D., *Assistant.*

JOHN R. ABERCROMBIE, A.B., M.D., L. W. KETRON, A.B., M.D., *Chiefs of Clinic to the Professor of Dermatology.*
H. M. ROBINSON, M.D., *Assistant.*

A. H. CARROLL, M.D., *Chief of Clinic to the Professor of Diseases of the Stomach.*
J. HARRY ULRICH, M.D., *Assistant.*

H. C. DAVIS, M.D., *Chief of Clinic to the Professor of Diseases of the Throat and Nose.*

COMPTON RIELY, M.D., SYDNEY M. CONE, A.B., M.D., W. HARRY DANIELS, M.D., *Chiefs of Clinic to the Professor of Orthopedic Surgery.*

GIDEON TIMBERLAKE, M.D., *Professor of Genito-Urinary Diseases.*
A. J. UNDERHILL, M.D., *Chief of Clinic.*

IRVING J. SPEAR, M.D., *Professor of Neurology.*
GEORGE M. SETTLE, M.D., *Chief of Clinic.*
A. L. FEHSENFELD, M.D., BENJAMIN PUSHKIN, M.D., *Assistants.*

G. MILTON LINTHICUM M.D., *Professor of Diseases of Rectum and Colon.*
J. D. REEDER, M.D., *Chief of Clinic of Diseases of Rectum and Colon.*

JOHN E. O'NEILL, M.D., *Chief of Pulmonary Tuberculosis Clinic.*

MR. A. D. JOHNSON, *Secretary to the Dean and Superintendent of College Buildings*

DISPENSARY STAFF OF MERCY HOSPITAL.

Surgery.

E. H. Hutchins, M.D. — Thos. R. Chambers, M.D.
O. L. Lloyd, M.D. — F. L. Jennings, M.D.
E. B. Wright, M.D.

Genito-Urinary Surgery.

Anton G. Rytina, M.D. — W. D. Olmstead, M.D.
Wm. J. Todd, M.D. — D. H. Goldman, M.D.
Harry Goldberg, M.D. — A. E. Goldstein, M.D.
A. L. Tumbleson, M.D.

Orthopedic Surgery.

Albertus Cotton, M.D. — John H. Vorhes, M.D.

Medicine.

Harvey G. Beck, M.D. — W. T. Watson, M.D.
L. J. Rosenthal, M.D. — Robt. B. Mayo, M.D.
W. F. Zinn, M.D. — B. S. Hanna, M.D.
C. C. W. Judd, M.D.

Diseases of Stomach.

Julius Friedenwald, M.D. — T. Fred'k, Leitz, M.D.

Nervous Diseases.

A. C. Gillis, M.D. — D. D. V. Stuart, Jr., M.D.
Otto H. Duker, M.D. — W. D. Boyd, M.D.
G. F. Sargent, M.D.

Diseases of Children.

B. E. Tapman, M.D. — B. Kader, M.D.

Diseases of Women.

A. Samuels, M.D. — G. A. Strauss, M.D.
Emil Novak, M.D. — C. F. J. Coughlin, M.D.

Diseases of Throat and Nose.

Frank Dyer Sanger, M.D. — G. W. Mitchell, M.D.
W. C. Stifler, M.D. — John Wade, M.D.

Diseases of Eye and Ear.

Harry Friedenwald, M.D. — Jos. I. Kemler, M.D.

Diseases of the Rectum.

C. F. Blake, M.D. — L. J. Rosenthal, M.D.

Diseases of the Skin.

Melvin Rosenthal, M.D.

MARYLAND GENERAL HOSPITAL DISPENSARY STAFF

ROBERT L. BLAKE, M.D., *Dispensary Chief.*

Medicine.

JOHN S. FISCHER, A.B., M.D., T. W. KEOWN, M.D. J. R. BRUMBACK, M.D.

Surgery.

A. G. BARRETT, M.D., *Chief.*
JOHN B. CULVERHOUSE, M.D., AUSTIN H. WOOD, M.D., JAMES E. TALBOTT, M.D., *Assistants.*

Nose, Throat and Chest.

GEO. W. MURGATROYD, M.D. ERNEST G. MARR, M.D

Diseases of Children.

PROF. CHARLES O'DONOVAN
JOHN S. FENBY, M.D. GUSTAV A. FRITZ, M.D.

Dermatology.

EDGAR R. STROBEL, M.D. SAMUEL A. BAIN, M.D.

Gynecology.

EUGENE H. HAYWARD, M.D. MAURICE LAZENBY, M.D.
SIDNEY H. STREETT, M.D. JAS. M. FENTON, M.D.

Orthopedic Surgery.

SYDNEY M. CONE, M.D.

Diseases of Eye and Ear.

CLYDE A. CLAPP, M.D. R. D. WEST, M.D.

Genito-Urinary Diseases.

W. B. WOLF, M.D.

Proctology.

G. MILTON LINTHICUM, M.D. ERNEST G. MARR, M.D.

MATRICULATES UNIVERSITY OF MARYLAND, SCHOOL OF MEDICINE, 1914-1915.

POST GRADUATES AND SPECIAL STUDENTS.

Name.	*State.*
Edgar Paul Adams	*Maryland*
William Henry Ayler	*Maryland*
Bernard McCurley Bradford, M.D.	*North Carolina*
William J. Carson, M.D.	*Pennsylvania*
John Wilborn Coltrane	*North Carolina*
Nicholas M. Crofts, M.D.	*Massachusetts*
Martin A. Flaherty, M.D.	*Pennsylvania*
H. Clifford Grant, M.D.	*North Carolina*
Francis Joseph Harrington	*Massachusetts*
Isidore Isaac Hirshmor, M.D.	*Maryland*
Earl Grayson Johnson	*Virginia*
John H. Judkins, M.D.	*Vermont*
Jamil Tannus Laham	*Palestine*
Robert J. Maresca	*New Jersey*
A. Lawrence Miner, M.D.	*Vermont*
William Henry Moyniham	*Massachusetts*
John W. Parker, M.D.	*South Carolina*
B. S. Parks, M.D.	*West Virginia*
David Mantre Seymour, M.D.	*North Carolina*

FOURTH YEAR CLASS.

Anderson, Franklin B	*Maryland*
Armstrong, Ralph H	*Pennsylvania*
Arnold, J. Bruce, Jr.	*Michigan*
Bennett, J. A.	*Virginia*
Binion, Richard, Ph.G	*Georgia*
Blackmer, J. W.	*North Carolina*
Braverman, Abraham	*Maryland*
Bridgers, Harvey C.	*North Carolina*
Bridges, William Arthur, B.S.	*North Carolina*
Buie, Louis A., A.B.	*South Carolina*
Burleson, William Brown	*North Carolina*
Calladine, Thomas Matthew, Jr.	*New York*
Clinkscales, Ralph Reuben	*South Carolina*
Cohen, Ralph	*Washington, D. C.*
Cohn, Charles A., D.D.S.	*Pennsylvania*
Demarco, Vincent	*Mississippi*
Diener, Louis	*Virginia*
Dorsey, George Hamilton	*Maryland*
Dowling, Joseph Leo	*Rhode Island*
Durkin, Patrick A.	*Rhode Island*
Egan, Michael Joseph, Jr.	*Georgia*
Ellner, David	*New York*
English, Samuel M.	*Pennsylvania*
Etzler, Dorsey Paul	*Maryland*
Flickinger, William H.	*Pennsylvania*
Fritz, Gustave A.	*Maryland*

Name.	*State.*
Gagnon, Arthur J.	*Rhode Island*
Gilbert, Harry Jesse	*New Jersey*
Goldman, Harry	*Maryland*
Gonzalez, Carlos	*Porto Rico*
Gordy, Lyle Leland	*Maryland*
Greenberg, S. H.	*California*
Grossman Louis W	*Pennsylvania*
Hay, Edward F., M.E.	*Pennsylvania*
Hendrix, Nevins Byford, A.B., A.M.	*South Carolina*
Higgins, Gerald Leo	*New Jersey*
Hill, Robert B., B.S., A.M.	*North Carolina*
Hundley, Frank S.	*Maryland*
Jenkins, Ralph Hathaway	*Maryland*
Jenkins, William H.	*Virginia*
Jenrette, Wendell Vivien	*North Carolina*
Johnson, R. W.	*South Carolina*
Johnson, Willie R.	*South Carolina*
Jones, Milton E.	*Maryland*
Justice, J. I.	*Ohio*
Kelly, Richard Bernard	*Connecticut*
Kerkow, Roy Robinson	*Washington*
Krantz, Herman Warner	*Connecticut*
Lackey, Franklin Harris	*North Carolina*
Lane, Edgar Winslow, B.S.	*North Carolina*
Lanich, Lloyd J.	*Pennsylvania*
Lewis Addison LeRoy	*South Carolina*
Linhardt, Oscar V.	*Maryland*
Lipnick, J. Alexander	*Maryland*
Lowry, John, A.B.	*North Carolina*
McCullough, Kenneth	*Maryland*
McReynolds, Alva E.	*Illinois*
Massanet, Carlos L.	*New York*
Merkel, Henry A.	*Maryland*
Meyers, Lloyd R.	*Pennsylvania*
Miller, William Cleveland	*Pennsylvania*
Moffett, Daniel Bruce, A.B.	*Alabama*
Morrow, Thomas Lacy	*North Carolina*
Moses, Charles Howard	*Pennsylvania*
Myers, Charles W.	*Pennsylvania*
Myers, M. Weaver	*Maryland*
Naumann, Albert A.	*Massachusetts*
Patrick, George R.	*North Carolina*
Portuondo, Alberto L.	*Cuba*
Prickett, Clarence J., B.S.	*West Virginia*
de Quevedo, Alberto Garcia	*Porto Rico*
Raskin, Moses	*Georgia*
Ray, Hickman	*North Carolina*
Rice, George W.	*Maryland*
Riordan, Arthur Hatton	*Massachusetts*
Robinson, John Daniel, A.B.	*North Carolina*
Ross, George Perry	*Maryland*
Ruark, William T.	*North Carolina*
Rush, Playford L.	*Maryland*
Sanders, Lucius Carl	*South Carolina*
Scher, Isidor	*New York*
Schnuck, Harry	*Maryland*
Schreiber, Louis Walter	*Maryland*
Shafer, Ralph A.	*Maryland*
Shannon, Samuel Dennison	*Maryland*
Sharkey, Myles Bernard	*New York*

Name.	*State.*
Shipley, Frank E., A.B.	*Maryland*
Sima, Charles E.	*Maryland*
Sloan, William Henry, B.S.	*North Carolina*
Snyder, Samuel	*Pennsylvania*
Stern, Max E.	*New York*
Street, Russell B.	*Connecticut*
Stringer, John Thomas	*Virginia*
Studebaker, David C.	*Pennsylvania*
Tonolla, E. Howard	*Maryland*
Umpierre, Ramon C.	*Porto Rico*
Updike, Ernest H.	*West Virginia*
Waff, Joseph Judson	*Virginia*
Warner, Theodore B.	*Maryland*
Williams, William F., Jr.	*Maryland*
Wilson, Bascom L.	*North Carolina*
Woodland, John C., Phar.D.	*Maryland*
Zeller, Eugene J. K.	*Maryland*
Ziegler, Mark Victor, A.B.	*Maryland*

THIRD YEAR CLASS.

Arnest, Richard T.	*Virginia*
Baldwin, Anton, Jr.	*Maryland*
Bailin, Robert	*New York*
Bennett, Percival R.	*North Carolina*
Benson, Edward H.	*Maryland*
Bickley, W. E., A.B.	*South Carolina*
Bishop, Everett L.	*Georgia*
Bolen, Henry L.	*Massachusetts*
Bowden, George A.	*Maryland*
Bray, Thomas Latham	*North Carolina*
Brooke, Charles Robert	*Maryland*
Brown, Thomas E.	*Pennsylvania*
Brumbaugh, Benjamin B., Phar.D.	*Maryland*
Burton, Charles Hammon	*Maryland*
Carter, Paul Conway, B.S.	*North Carolina*
Carrasquillo, Honorio F.	*Porto Rico*
Cavello, Michael E.	*New York*
Chandler, James Jennings, A.B.	*South Carolina*
Childs, Charles Chapin.	*New York*
Cole, Lewis Furbeck	*New York*
Condon, Vernon H.	*Maryland*
Crook, Charles S.	*Maryland*
Cudd, James Eric, A.B.	*South Carolina*
Day, Samuel Thomas	*New Jersey*
Dillon, William Joseph	*Massachusetts*
Dominguez, Tomas	*Porto Rico*
Eby, John Cyril, Phar.D.	*Maryland*
Evans, John Ebenezer, A.B.	*South Carolina*
Eyestone, Fred L.	*Ohio*
Feinglos, Israel	*Maryland*
Ferneyhough, Willie Todd	*Virginia*
Ferry, Bernard Joseph	*Pennsylvania*
Finkelstein, Max	*New York*
Floyd, F. F.	*North Carolina*
Foard, Fred T.	*North Carolina*
Foley, Joseph	*Massachusetts*
Folk, Robert Hamilton, A.B.	*South Carolina*
Gannon, Clarence Lee	*New York*
Gatsopoulos, Peter Nicholas	*Massachusetts*

Name.	*State.*
Gillett, Harold E.	*New York*
Ginsburg, Jacob B.	*Maryland*
Glatzau, Lewis W.	*Pennsylvania*
Growt, Bowen H.	*Louisiana*
Gwynn, George Humphrey, Jr.	*Florida*
Gwynn, Humphrey W.	*Florida*
Hammer, Howell Inslisp, Ph.G.	*Maryland*
Hanigan, S. Roscoe	*Pennsylvania*
Hawn, Albert Gaither	*North Carolina*
Hennessy, Jay Tyrrell	*New York*
Hughes, Samuel S.	*North Carolina*
Hutton, Daniel C.	*Maryland*
Jacobson, Bernard Samuel	*Maryland*
Kean, Thomas Stephen, Jr.	*Maryland*
Knapp, Lee H.	*New Hampshire*
Kritzer, Henry Rowland	*North Carolina*
Labares, Gregory, A.B.	*Philippine Islands*
Laplanche, Ernest R.	*Maryland*
Lay, Juan Alfonso	*Cuba*
Lazenby, Allen D.	*Maryland*
Light, Ellsworth E.	*Massachusetts*
Long, Clark Samuel	*Pennsylvania*
Lopez, Enfenio N. Bocanegre, Phar.D.	*Porto Rico*
Lovely, Bernard Henry	*New Hampshire*
Lowsley, Augustus S.	*California*
McKenna, William Henry	*Rhode Island*
Machin, Frank H.	*Maryland*
Marino, Frank Christian	*Maryland*
Mason, Frank Ebaugh	*Maryland*
Maxwell, John A., A.B.	*Connecticut*
Mayo, Woodward B.	*Utah*
Mejias, Francisco J.	*Porto Rico*
Mellor, Royal B.	*Maryland*
Miller, John E.	*Vermont*
Mitchell, Henry Stanley	*Maryland*
Moses, Joseph, B.A., A.M.	*New York*
Naikelis, Stanley, B.S.	*Connecticut*
Nevling, A. Boynton	*Pennsylvania*
Nicholson, Frank P.	*New York*
Nicklas, John M.	*Maryland*
Noell, Robert Holman	*North Carolina*
O'Brien, J. Gerald	*Maryland*
Oduber, Jacob	*Dutch West Indies*
Oddo, Vincent	*New York*
O'Malley, William F.	*New York*
O'Neill, Joseph T.	*Massachusetts*
Pasuth, Bartholomew Charles	*Connecticut*
Payawal, Juan L., A.B.	*Philippine Islands*
Penabaz, Fernando, B.S.	*Cuba*
Pinkerton, Frank Coulson	*Virginia*
Pole, Charles A.	*Maryland*
Porter, Lyman R.	*Maryland*
Pruitt, Samuel O., A.B.	*South Carolina*
De Quevedo-Rios, Manuel Garcia	*Porto Rico*
Reier, Adam William	*Maryland*
Reifschneider, Charles Adam	*Maryland*
Rigby, Cecil, B.S.	*South Carolina*
Roberts, Joseph John	*Connecticut*
Rogers, Herbert W.	*Virginia*
Rogers, Samuel J.	*South Carolina*

Name.	*State.*
Rolenson, Julio R.	*Porto Rico*
Rothrock, Walter Roswell.	*Pennsylvania*
Ruzicka, F. Frederick, A.B.	*Maryland*
Santos-Buch, Angel M., Lit.B.	*Cuba*
Scimeca, Salvatore.	*New York*
Shaffer, Stewart Seibert.	*Pennsylvania*
Short, Noah H.	*West Virginia*
Stein, Harry Milton.	*New Jersey*
Strandberg, Herbert Lawrence.	*New Jersey*
Thomas, Edward Philip.	*Maryland*
Thompson, Edwin Brice.	*Ohio*
Van Poole, Carl M.	*North Carolina*
Voss, Norwood Warner, A.B.	*Maryland*
Wellman, Harrison M.	*Pennsylvania*
Wentz, Maurice Cornelius, B.S.	*Maryland*
Whittle, William Oscar.	*Virginia*
Yaffe, Benjamin Meyer.	*Maryland*

SECOND YEAR CLASS.

Algre-Carbo, Pablo.	*Cuba*
Apacible, Pedro.	*Philippine Islands*
Armstrong, Fred Francis.	*Connecticut*
Audet, Charles Henry.	*Massachusetts*
Bampfield, Fred J.	*Canada*
Barishaw, Samuel.	*New Jersey*
Bennet, DaCosta F., A.B.	*Maine*
Bonner, Octavius B.	*North Carolina*
Bowes, William J. F., A.B.	*Maryland*
Bronushas, Ipolitas B.	*Maryland*
Burrows, Ernest A.	*Massachusetts*
Campo, Anthony R.	*New York*
Carlin, Edward J.	*New Jersey*
Carroll, H. Roland.	*Maryland*
Cohn, Alexander.	*Maryland*
Cooper, Frank H.	*Washington*
Coulon, Frank N.	*New Hampshire*
Covey, William C.	*West Virginia*
Crawford-Frost, John Ings.	*Maryland*
Darby, William Arthur.	*Maryland*
Daves, John Thomas.	*Virginia*
Davidson, William Brown.	*Massachusetts*
Donahue, Cornelius L.	*New York*
Dooley, George E.	*New York*
Doyle, Joseph F.	*New Hampshire*
Duffy, Vincent Paul.	*West Virginia*
Eisenberg, Albert.	*Maryland*
Ephraim, Myer.	*Maryland*
Fay, Daniel Edgar.	*Maryland*
Fazenbaker, Anderson J.	*Maryland*
Fernandez-Garcia, Luis Jorge.	*Porto Rico*
Frost, Nugent G.	*Massachusetts*
Giesen, John Jacob, A.B.	*Virginia*
Hedrick, Erland H.	*West Virginia*
Hodges, H. Stuart.	*North Carolina*
Holmes, James.	*Maryland*
Houde, Arthur J.	*Massachusetts*
Huff, Wheeler O.	*Maryland*
Isaacs, Raphael Harris.	*Maryland*
Jarman, A. Russell.	*North Carolina*

Name.	State.
Kaufman, Edgar W.	*Pennsylvania*
Kirk, William V.	*West Virginia*
Knowles, J. R.	*Maryland*
Koprivich, Milan Ivanovitch S.	*Servia*
Leiva, Carlos E. Rivas.	*Cuba*
MacGregor, Allan W.	*Connecticut*
Martin, John Willis.	*Maryland*
Martinez, Jose.	*Porto Rico*
Melroy, Raymond Shields.	*Pennsylvania*
Merrick, Frank X.	*Pennsylvania*
Michael, M. Harlan.	*Maryland*
Miller, Daniel.	*Maryland*
Miller, Wilfred Porter, M.E.	*New York*
Moran, Arthur Bernard.	*Connecticut*
Mulcahy, Francis J.	*Massachusetts*
Nagourney, Leon.	*New York*
Nolan, Francis F.	*Virginia*
Norris, J. Edward.	*Maryland*
Ogden, Frank Nevin.	*Maryland*
Peeler, Casper Smith, B.S.	*Florida*
Penabaz y Fernandez, Jose, A.B.	*Cuba*
Porro, Adalberto C.	*Florida*
Porterfield, Marvin H.	*West Virginia*
Posey, Chester R.	*Pennsylvania*
Power, Maurice J.	*Massachusetts*
Reddig, Clarence M., Ph.D.	*Pennsylvania*
Reitzel, Elbert Coy.	*North Carolina*
Reynolds, Paul Emerson.	*Maryland*
Rever, William B.	*Maryland*
Rigau, Gabriel.	*Porto Rico*
Rodriguez, Antonio, Jr.	*Porto Rico*
Salan, Joseph.	*Indiana*
Shaver, William T.	*North Carolina*
Shayt, Louis.	*Maryland*
Silverstein, Max.	*New Jersey*
Skilling, John Galen.	*Maryland*
Smith, Leroy Henry.	*Maine*
Sorin, Israel C.	*New Jersey*
Stein, Albert.	*Massachusetts*
Thaureaux, Elado.	*Cuba*
Tarkington, Grayson E.	*Arkansas*
Thomas, Kelly Clifton.	*North Carolina*
Thoner, John George.	*West Virginia*
de Veer, Gerard, Jr.	*Dutch West Indies*
Vaughan, George W.	*Maryland*
Welch, Robert S. G.	*Maryland*
Wheeler, Howard Lawrence.	*Maryland*
White, George Lawrence.	*Maryland*
Whistler, Edward L., A.B.	*Pennsylvania*
Wolff, Carl O., A.B.	*North Carolina*
Wolford, Roy A.	*West Virginia*
Woltz, Charles Roderick.	*Virginia*
Worrell, Churchill Freeman.	*Virginia*
Yost, Ernest Lee.	*West Virginia*

FIRST YEAR CLASS.

Allen, Eustace A., A.B.	*Alabama*
Anderson, Lang W.	*South Carolina*
Andrew, Clarence Gridmore, A.B.	*South Africa*

Name.	*State.*
Block, David S.	*Maryland*
Bross, Samuel Isadore	*Maryland*
Chesbro, Charles C.	*New York*
Dalton, William B.	*North Carolina*
DeFeo, Charles C.	*Connecticut*
Dillon, William M.	*New York*
Easter, Clay Miller Rust	*Virginia*
Flippin, Eugene Littlejohn	*North Carolina*
Gavronsky, Samuel	*New Jersey*
Gillson, William George	*New Jersey*
Griffith, Wesley Powell, A.B.	*Pennsylvania*
Hart, Crawford Avery, A.B.	*North Carolina*
Hill, Dennis L.	*West Virginia*
Hutchison, Charles L., D.D.S.	*North Carolina*
Kellom, John Wise	*Virginia*
Macke, Clarence Edgar	*Maryland*
Morisey, Raymond Faison	*North Carolina*
McLeod, Walter Guy	*North Carolina*
Morgan, Zachariah Raphael	*Maryland*
Ridgely, Irwin Oliver, A.B.	*Maryland*
Ripoll y Mayoral, Joaquin	*Cuba*
Rohles, Charles Walter	*Florida*
Russell, Frank J.	*Maryland*
Seal, Gratta Earl	*West Virginia*
Sindler, Joseph	*Maryland*
Speake, Thomas Carlyle, A.B.	*Maryland*
Sweet, Alfred Norton	*Connecticut*
White, S. Howard	*South Carolina*

GENERAL SUMMARY OF STUDENTS ATTENDING THE UNIVERSITY OF MARYLAND, SESSION OF 1914–1915.

Department of Arts and Sciences (St. John's College)	160
School of Medicine	372
Department of Law	397
Dental Department	120
Department of Pharmacy	94
Training School for Nurses	85
Total	1228

GRADUATES UNIVERSITY OF MARYLAND, SCHOOL OF MEDICINE, JUNE 1, 1915.

Richard Binion.....*Georgia*
Jocelyn William Blackmer....*North Carolina*
Harvey Clifton Bridgers.....*North Carolina*
William Arthur Bridges.....*North Carolina*
Louis A. Buie.....*South Carolina*
William Brown Burleson.....*North Carolina*
Thomas Mathew Calladine.....*New York*
Ralph Cohen.....*District of Columbia*
Charles A. Cohn.....*Pennsylvania*
Vincent J. Demarco.....*Mississippi*
Louis Diener.....*Virginia*
George Hamilton Dorsey.....*Maryland*
Joseph Leo Dowling.....*Rhode Island*
Patrick Aloysius Durkin.....*Rhode Island*
Michael Joseph Egan, Jr.....*Georgia*
Dorsey Paul Etzler.....*Maryland*
Gustave Adolph Fritz.....*Maryland*
Harry Jesse Gilbert.....*New Jersey*
Carlos Gonzalez y Gonzalez.....*Porto Rico*
Lyle Leland Gordy.....*Maryland*
Samuel Harry Greenberg.....*California*
Louis Ward Grossman.....*Pennsylvania*
Gerald Leo Higgins.....*New Jersey*
Robert Burns Hill.....*North Carolina*
William Herndon Jenkins.....*Virginia*
Milton Easley Jones.....*Maryland*
Robert William Johnson.....*South Carolina*
William Robert Johnson.....*South Carolina*
James Isaac Justice.....*West Virginia*
Bernard Richard Kelley.....*Connecticut*
Roy Robinson Kerkow.....*Washington*
Herman Warner Krantz.....*Connecticut*
Franklin Harris Lackey.....*North Carolina*
Edgar Winslow Lane.....*North Carolina*
Lloyd Jackson Lanich.....*Pennsylvania*
Addison LeRoy Lewis.....*South Carolina*
Oscar Vernon Linhardt.....*Maryland*
John Albert Berchard Lowry *North Carolina*
Kenneth McCullough.....*Maryland*
Alva Edgar McReynolds.....*Illinois*
Lloyd Rogers Meyers.....*Pennsylvania*
William Cleveland Miller.....*Pennsylvania*
Daniel Bruce Moffet .....*Alabama*
Thomas Lacy Morrow.....*North Carolina*
Charles Howard Moses.....*Pennsylvania*
Charles Wesley Myers.....*Pennsylvania*
Milfert Weaver Myers.....*Maryland*
Albert Augustus Naumann.....*Massachusetts*
Alberto Portuondo y del Pino.....*Cuba*
Alberto Garcia de Quevedo y Munoz *Porto Rico*
Moses Raskin.....*Georgia*
Hickman Ray.....*North Carolina*
Arthur Hatton Riordan.....*Massachusetts*
John Daniel Robinson.....*North Carolina*
George Perry Ross.....*Maryland*
William Thomas Ruark.....*North Carolina*
Playford Lorenza Rush.....*Maryland*
Lucius Carl Sanders.....*South Carolina*
Harry Schnuck.....*Maryland*
Louis Walter Schreiber.....*Maryland*
Samuel Dennison Shannon.....*Maryland*
Myles Bernard Sharkey.....*New York*
Frank Earl Shipley.....*Maryland*
Charles Edward Sima.....*Maryland*
John Thomas Stringer.....*Virginia*
David Clemington Studebaker *Pennsylvania*
E. Howard Tonolla.....*Maryland*
Joseph Judson Waff.....*Virginia*
Theodore B. Warner.....*Maryland*
Bascom L. Wilson.....*North Carolina*
John C. Woodland.....*Maryland*
Eugene Joshua Karl Zeller.....*Maryland*
Mark Victor Ziegler.....*Maryland*

PRIZEMEN.

University Prize—*Gold Medal*.....Michael Joseph Egan, Jr.

Certificates of Honor.

Bernard Richard Kelley,
Vincent J. Demarco,
E. Howard Tonolla,
Bascom L. Wilson,
George Perry Ross,
Louis Ward Grossman,
Dorsey Paul Etzler.

MATRICULATES, COLLEGE OF PHYSICIANS AND SURGEONS, 1914-1915.

FOURTH YEAR CLASS.

ANDERSON, J. R.....*Utah*
ARRACHE, JOSEPH S.....*Porto Rico*
BASH, W. H.....*West Virginia*
BERRIOS, M. B.....*Porto Rico*
BERRIOS, V. C.....*Porto Rico*
BRESLIN, ROBERT H.....*Rhode Island*
CALLAGHAN, A. E.....*West Virginia*
COBIAN, JOSEPH.....*Porto Rico*
COOPER, PRINCE.....*West Virginia*
CORSON, LINNE H.....*New Jersey*
CONARTON, J. L.....*Pennsylvania*
CRAMER, L. L.....*Pennsylvania*
DEMARTINI, S. A.....*Washington*
FARGO, LEON K.....*Maryland*
FERNOS, ANTONIO.....*Porto Rico*
FITZPATRICK, E. E.....*Rhode Island*
GALVIN, T. K.....*Maryland*
GARDNER, HOWARD E.....*Massachusetts*
GONZALES, LUIS F.....*Porto Rico*
GOTT, E. FRED.....*West Virginia*
HEARN, WM. O.....*West Virginia*
HOFFMAN, IRA C.....*Pennsylvania*
HOLMES, C. M.....*Maryland*
JACKSON, A. J.....*Massachusetts*
JARRELL, D. B.....*West Virginia*
JOHNSON, H. H.....*Massachusetts*
KEARNEY, F. X.....*Maryland*
LAMB, THOS. A.....*Virginia*
LAW, H. D.....*Maryland*
LEVY, MILFORD.....*Florida*
LINGER, BASIL.....*West Virginia*
LOHAN, J. B.....*West Virginia*
LYON, CURTIS L.....*West Virginia*
MCCALLION, W. H.....*New Jersey*
MCKENZIE, W. R.....*Pennsylvania*
MCCLUNG, ALVIN.....*West Virginia*
MAHONEY, V. L.....*Pennsylvania*
MILLER, LAWRENCE.....*Maryland*
MORRISON, T. H.....*Pennsylvania*
NOUGERAS, J. J.....*Porto Rico*
PECK, ROBERT S.....*West Virginia*
PERRY, HERBERT G.....*North Carolina*
PESQUERA, GILBERTO.....*Porto Rico*
PURCELL, ENRIQUE.....*Porto Rico*
RAEMORE, MILLARD.....*Pennsylvania*
RENZ, OSCAR W.....*Pennsylvania*
RIEGER, E. M.....*New York*
ROGERS, H. L.....*Virginia*
SCHAUN, PAUL E.....*Maryland*
SPALDING, W. C.....*Texas*
SPANGLER, C. C.....*Pennsylvania*
SPROWLS, GARRETT E.....*Pennsylvania*
STALEY, ELMER B.....*Pennsylvania*
STEELL, PAUL B.....*Pennsylvania*
STEWART, HARRISON M.....*Massachusetts*
TADEUSIAK, B. H.....*New Jersey*
THORUP, JOHN M.....*Utah*
TICKLE, T. G.....*West Virginia*
TRACHTENBERG, ISRAEL.....*New York*
WELTNER, FRED P.....*West Virginia*
WOODALL, R. E.....*West Virginia*

THIRD YEAR CLASS.

AIKMAN, DAVID A.....*Pennsylvania*
BAGGOT, BARTUS T.....*Maryland*
BECK, F. A.....*Pennsylvania*
BIDDLE, B. H.....*Ohio*
BYRNE, I. P. A.....*New York*
CANNON, JAMES M.....*West Virginia*
CHAPUT, LUCIEN R.....*Massachusetts*
COMPTON, FILLMORE.....*West Virginia*
DUNNE, EDWARD P.....*Connecticut*
EYESTONE, FRED L.....*Ohio*
FELDMAN, MAURICE.....*Maryland*
FLYNN, WILLIAM H.....*Connecticut*
FOLEY, M. J.....*Maryland*
FOXWELL, RAYMOND K.....*Maryland*
GONZALES, FELIPE.....*Porto Rico*
GREUTZNER, EDWARD T.....*Pennsylvania*
HEGE, J. R.....*North Carolina*
HOWARD, LEWIS H.....*Maryland*
KYLE, PAUL M. N.....*West Virginia*
KEAN, THOS. S.....*Maryland*
LYPTON, CHARLES H.....*North Carolina*
LYNCH, W. J.....*Connecticut*
MATHAI, J. H.....*Illinois*
MADDEN, W. L.....*New Jersey*
MARTIN, FRANK S.....*Maryland*
MORALES, R. (RAMEREZ).....*Porto Rico*
MCCAMEY, KENNETH E.....*Pennsylvania*
MCLEAN, GEORGE.....*Maryland*
O'BRIEN, THOMAS J.....*Connecticut*
O'NEILL, G.....*New York*
PETERSON, ARTHUR F.....*Massachusetts*
POST, GUY R.....*West Virginia*
SAVANNAH, J. G.....*New Jersey*
SHETTER, ANDREW G.....*Pennsylvania*
SHIRKEY, WILBUR F.....*West Virginia*
STERNBERG, A.....*Jerusalem*
SYROP, EDWARD.....*New Jersey*
WOLFE, HUMPHREY D.....*Maryland*

SECOND YEAR CLASS.

Bloom, George H.....*Maryland*
Bloom, Lawrence H.....*Maryland*
Bohl, Luis J.....*New Jersey*
Champin, Edward H.....*New Jersey*
Champlin, Roy D.....*New York*
Clark, Frederick H.....*Georgia*
Cunningham, Thomas P.....*Rhode Island*
Elder, Franklin C.....*Maryland*
Hertzog, Francis C.....*Pennsylvania*
Isquierdo, Eladio.....*Porto Rico*
Kecherside, Hillary D.....*Arizona*
Krause, Louis A. M.....*Maryland*
LaRue, Raymond.....*Ohio*
Lasher, Lemuel A.....*Pennsylvania*
Lynch, Raymond A.....*West Virginia*
Maddison, W. E.....*Utah*
Montgomery, Mathison J.....*Pennsylvania*
Moyers, Emmet Dewitt.....*West Virginia*
McClintock, George L.....*Maryland*
Perry, Clarence E.....*Virginia*
Rigby, Samuel B.....*Utah*
St. Lawrence, A. J.....*Connecticut*
Smith, Leo L.....*Oklahoma*
Stansbury, Fred.....*West Virginia*
Tierney, Edward F.....*Rhode Island*
Viewig, Max W.....*West Virginia*
Weber, John Joseph.....*Maryland*
Wheaton, Harry W.....*New York*

FIRST YEAR CLASS.

Briscoe, Everard.....*Maryland*
Clark, Harold C.....*New York*
Cleary, James F.....*Connecticut*
Crouch, Norman S.....*Maryland*
Deliz, Ramon.....*Porto Rico*
Fortney, Millard H.....*West Virginia*
McGladigan, G. J.....*Pennsylvania*
Murphy, D. W.....*Massachusetts*
Pilson, Robert A.....*Maryland*
Smith, Edward W.....*North Carolina*
Trippett, L. H.....*West Virginia*
Thompson, L. F.....*New Jersey*
Veach, O. L.....*Montana*

GRADUATES, COLLEGE OF PHYSICIANS AND SURGEONS, 1915.

ANDERSON, JOHN R.....*Utah*
ARRACHE, JOSEPH S.....*Porto Rico*
BASH, W. H.....*West Virginia*
BERRIOS, M. B.....*Porto Rico*
BERRIOS, C. V.....*Porto Rico*
BRESLIN, ROBERT H.....*Rhode Island*
CALLAGHAN, A. E.....*West Virginia*
COBIAN, JOSEPH.....*Porto Rico*
COOPER, PRINCE.....*West Virginia*
CONARTON, J. L.....*Pennsylvania*
CORSON, LINNE H.....*New Jersey*
CRAMER, L. L.....*Pennsylvania*
DEMARTINI, S. A.....*Washington*
FARGO, LEON K.....*Maryland*
FERNOS, ANTONIO.....*Porto Rico*
FITZPATRICK, E. E.....*Rhode Island*
GALVIN, THOS. K.....*Maryland*
GARDNER, HOWARD E.....*Massachusetts*
GONZALES, LOUIS F.....*Porto Rico*
GOTT, E. FRED.....*West Virginia*
HEARN, WM. O.....*West Virginia*
HOFFMAN, IRA C.....*Pennsylvania*
HOLMES, C. M.....*Maryland*
JACKSON, A. J.....*Massachusetts*
JARRELL, D. B.....*West Virginia*
JOHNSON, H. H.....*Massachusetts*
KEARNEY, F. X.....*Maryland*
LAMB, THOS. A.....*Virginia*
LEVY, MILFORD.....*Florida*
LYON, CURTIS L.....*West Virginia*
LOHAN, J. B.....*West Virginia*
MCCALLION, W. H.....*New Jersey*
MCKENZIE, W. RAYMOND.....*Pennsylvania*
MCCLUNG, ALVIN.....*West Virginia*
MAHONEY, V. L.....*Pennsylvania*
MORRISON, T. H.....*Maryland*
NOGEURAS, J. J.....*Porto Rico*
PECK, ROBERT S.....*West Virginia*
PERRY, HERBERT G.....*North Carolina*
PESQUERA, GILBERTO.....*Porto Rico*
PURCELL, C. E.....*Porto Rico*
RAEMORE, MILLARD.....*Pennsylvania*
RENZ, OSCAR W.....*Pennsylvania*
RIEGER, E. M.....*New York*
ROGERS, HARRY LEE.....*Virginia*
SPALDING, W. C.....*Texas*
SPANGLER, CHARLES C.....*Pennsylvania*
SPROWLS, GARRETT E.....*Pennsylvania*
STALEY, ELMER B.....*Pennsylvania*
STEWART, HARRISON M.....*Massachusetts*
TADEUSIAK, B. H.....*New Jersey*
THORUP, JOHN M.....*Utah*
WELTNER, FRED P.....*West Virginia*
TRACHTENBERG, ISRAEL.....*New York*
WOODALL, R. E.....*West Virginia*

PRIZEMEN.

MILLARD L. RAEMORE.....*Pennsylvania*
LEON K. FARGO.....*Maryland*
T. H. MORRISON.....*Maryland*
S. A. DEMARTINI.....*Washington*

WORTHY OF HONORABLE MENTION.

E. E. FITZPATRICK
H. H. JOHNSON
ALVIN MCCLUNG
G. E. SPROWLS
W. RAYMOND MCKENZIE
COSTAS E. PURCELL
J. R. ANDERSON
H. B. TADEUSIAK
R. H. BRESLIN

UNIVERSITY OF MARYLAND.

SCHOOL OF MEDICINE.

The School of Medicine of the University of Maryland is one of the oldest institutions of medical education in America, having been chartered in 1807, under the title of the College of Medicine of Maryland.

Five years later, in 1812, by authority of the General Assembly of Maryland, the College of Medicine of Maryland was empowered to annex to itself three other colleges or faculties, viz: The Faculty of Divinity, the Faculty of Law, and the Faculty of Arts and Sciences, and the four faculties or colleges thus united were "constituted an University by the name and under the title of the University of Maryland."

The Medical School of the University is thus its oldest department and ranks fifth, in point of age, among the medical colleges of the United States.

Throughout the century of its existence it has always taken rank as one of the leading medical colleges of the South, and among the most widely known and most highly honored of the schools of medicine of the country.

Beginning with the modest number of five, composing the first graduating class in 1810, the list of graduates in medicine of the University of Maryland, now numbers six thousand and eighty-five names, drawn from all parts of the United States and from abroad, among which are to be found some of the most noted names connected with the history of medicine in our country.

While from the foundation of the University of Maryland, the policy of the Faculty of Physic has been one of wise conservatism, it has, at the same time, never been behindhand in the march of educational progress, and while retaining for so long a time as they were of real value, those features of older educational methods which were wisest and best, they have often been first, and always among the first, in the adoption of all measures tending to improvement in methods of medical teaching, and to true elevation of the standard of medical education.

In illustration of this the following facts may be mentioned:

It established one of the first Medical Libraries and the first Medical College Library in the country (1813).

It was among the very first to provide for adequate clinical instruction by the erection of its own hospital, available at all times for the use of students (1823).

The School of Medicine of the University of Maryland was the first medical school in America to make dissecting a compulsory part of the curriculum (1833).

It was the first to give instruction in Dentistry (1837).

It was among the first to meet the modern demand for instruction in specialties (1866).

It was the first medical school in America to establish separate and independent chairs of Diseases of Women and Children (January, 1867) and of Eye and Ear Diseases (1873).

It was among the first to teach Hygiene and Medical Jurisprudence (1883).

It is the aim of the present Faculty of Physic of the University of Maryland to carry out this policy established by its predecessors.

With this end in view, the Faculty has, in the last few years, expended, and is now expending, large amounts in the establishment and equipment of its Lying-in Hospital, its Laboratories of Chemistry, Histology, Pathology and Bacteriology, in the erection of the University Hospital, which was completed in 1897, and in the erection of a new Laboratory Building, recently completed.

By arrangement between the two institutions, The Baltimore Medical College, established thirty-two years ago and having over two thousand graduates, has been merged with the School of Medicine of the University of Maryland.

By this arrangement the members of the Faculty of this well known institution become teachers in the School of Medicine of the University of Maryland, which takes over the equipment of the Baltimore Medical College and succeeds to all the clinical privileges which it formerly enjoyed in a number of general and special hospitals, thereby greatly increasing and improving the facilities for instruction in all departments.

All graduates of the Baltimore Medical College are now eligible for membership in the General Alumni Association of the University of Maryland.

COLLEGE OF PHYSICIANS AND SURGEONS.

The College of Physicians and Surgeons of Baltimore was organized and incorporated under the General Laws of the State of Mary-

land in 1872. In 1878, by an Act of the Legislature, this school was consolidated with the Washington University School of Medicine which had been established in 1827, and the combined schools were designated as the College of Physicians and Surgeons of Baltimore.

The College of Physicians and Surgeons was at first located at 115 West Lombard Street, near Hanover, in the building which was later known as the Maternité and which was used until the fire of 1904 for the Obstetrical Department of the College. In 1878, following the merger with the Washington University, the College was moved to the building previously occupied by that school at the corner of Calvert and Saratoga Streets. In 1899 the old building was removed and the present college building was erected. The location is in the center of the city, within one block of the Post Office and at the same distance from the Court House. It is readily accessible to all of the main car lines of the city.

The College Building is well lighted and conveniently arranged for coördinating the work of the students as well as the work of the several departments.

The Dispensary, which occupies the greater part of the ground floor, is entered from the street level on Calvert Street. Additional space for Dispensary teaching is provided on the main floor. Upon this floor are also located the Faculty Room, the Library, the Administration offices, the Pathological Museum, the Physiological Laboratory, the Pasteur Laboratory, and a classroom which seats seventy-five students.

The third floor has two amphitheaters, one of which is equipped with the most recent projection apparatus. The Clinical Laboratory, the Chemical Laboratory, the Histological and Pathological Laboratory and private laboratories are also located on this floor. The fourth floor is devoted to Clinical Work and includes a modern operating amphitheater which seats 300 students and which is surrounded by a suite of accessible rooms for sterilization, anesthetizing, dressing and operations of a minor character. On this floor are also located the Bacteriological Laboratory and a special Pathological Laboratory. The Anatomical Laboratory on the fourth floor is well lighted and well ventilated.

THE UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE

AND THE

COLLEGE OF PHYSICIANS AND SURGEONS.

UNITED IN 1915, AND HEREAFTER THE TWO SCHOOLS WILL BE CONDUCTED AS ONE.

The students of the first and second years will be taught by a single group of teachers.

In order to utilize as completely as possible the large number of patients in the hospitals controlled by the Faculty, the third and fourth year classes will each be divided into two groups. One group of the third year class and one group of the fourth year class will be taught at the hospitals associated with the University of Maryland and the other group from each class will be taught at the hospitals associated with the College of Physicians and Surgeons. Students of the third and fourth years will have the privilege of choosing the group to which they will be attached. Students of both groups will have the same final examinations and will receive identical diplomas.

The Faculty is therefore in position to offer to students of medicine and graduates a course of combined didactic, clinical and laboratory instruction which will compare favorably with that offered by any medical school in the United States.

CLINICAL FACILITIES.

HOSPITALS AND DISPENSARIES.

UNIVERSITY HOSPITAL.

The University Hospital, which is the property of the Faculty of Physic of the University of Maryland, is the oldest institution for the care of the sick in the State of Maryland. It was opened in September, 1823, under the name of the Baltimore Infirmary, and at that time consisted of but four wards, one of which was reserved for eye cases. By successive additions this hospital was increased to more than fourfold its original accommodations, there being added to it a large clinical amphitheater, a students' building for the accommodation of the thirty clinical assistants, and a nurses' building for the accommodation of the pupils of the Training School for Nurses. The yearly increase in the number of patients seeking admission to

the hospital, however, more than kept pace with the increase in accommodations, and the Faculty therefore erected an entirely new and modern hospital of fully double the capacity of the former building.

The University Hospital is constructed of brick and Tennessee limestone in the Colonial style of architecture, fronting 175 feet upon Lombard Street, and about the same on Greene Street. It is supplied with the most modern and approved system of heating, ventilation, etc., and equipped with all modern requirements and conveniences for the care of the sick, and for the clinical instruction of the students of the University.

It is one of the largest and finest hospitals owned and controlled by any medical school in America, and in point of architectural beauty, convenience and completeness of arrangements and equipment compares favorably with other hospitals.

An important adjunct to the hospital is the postmortem building, which is constructed with special reference to the instruction of students in pathological anatomy.

The hospital is situated opposite the University building, so that the student loses no time in passing from the lecture halls to the clinical amphitheater.

A portion of the hospital is used as a marine hospital for foreign seamen. The great importance of Baltimore as a shipping point brings into her harbor many vessels from all parts of the world, and the sick sailors who are cared for in the wards of the institution give the students an opportunity to observe a large variety of diseases. Another considerable portion of the building is used as a Municipal Hospital, and contains charity beds supported by the city of Baltimore. This department of the hospital is taxed to its utmost capacity to afford accommodations for the patients seeking admission.

Owing to its location, being the nearest hospital to the largest manufacturing district of the city, the University Hospital receives for treatment a very large number of accident cases of all kinds, both slight and serious. These cases, as well as patients suffering from the various diseases of our own climate, occupy the beds, and add greatly to the facilities of clinical teaching enjoyed by the school. The facilities for clinical instruction have been greatly enlarged by an appropriation by the State of Maryland for the support of free beds for patients from the various counties.

MERCY HOSPITAL.

The Sisters of Mercy first assumed charge of the Hospital at the corner of Calvert and Saratoga streets, then owned by the Wash-

ington University, in 1875. By the merger of 1878 the Hospital came under the control of the College of Physicians and Surgeons, but the Sisters continued their work of ministering to the patients.

In a very few years it became apparent that the City Hospital, as it was then called, was much too small to accommodate the rapidly growing demands upon it. However, it was not until 1888 that the Sisters of Mercy with the assistance of the Faculty of the College of Physicians and Surgeons, were able to lay the corner stone of the present Hospital. This building was completed and occupied late in 1889. Since then the growing demands for more space has compelled the erection of additions until now there are accommodations for 351 patients.

In 1909 the name was changed from The Baltimore City Hospital to Mercy Hospital.

Mercy Hospital is located in the center of a city of 700,000 inhabitants and is under the exclusive medical control of the College of Physicians and Surgeons. It adjoins the College building and all surgical patients from the public wards are operated upon in the College operating rooms. This close proximity of the Hospital and College greatly facilitates the clinical teaching as there is no time lost in passing from one to the other.

Mercy Hospital is the hospital of the United Railways and Electric Company of Baltimore City, and receives patients from the Baltimore and Ohio Railroad Company and from the Pennsylvania Railroad Company and its branches.

During the calendar year of 1914 there were treated in the wards of the Hospital 5,064 patients. That the emergency service is very large is shown by the fact that during this time 3,385 ambulant cases were treated in the accident department. In other out-patient departments there were treated 8,947 patients, making a total of 17,396 ill or injured people who applied for treatment during one year.

MARYLAND GENERAL HOSPITAL.

The clinical service of this hospital is controlled exclusively by the University of Maryland. It is situated on Linden avenue, north of Madison street, is five stories in height, has a capacity of one hundred and sixty (160) beds, and is so arranged that patients may be brought from the wards directly before the class in the amphitheater. This hospital contains patients suffering from almost every form of indigenous disease, and nearly every variety of injury. Special operating and dressing rooms are provided with sterilizers and all necessary surgical instruments, apparatus and appliances,

including Roentgen ray for locating foreign bodies, examining bones, etc. Dressings and operations occupy a large portion of each day.

MATERNITY HOSPITAL OF THE UNIVERSITY OF MARYLAND.

This institution is also the property of the Faculty of Physic, and under its exclusive control and direction, and is conducted with the special purpose of furnishing actual obstetrical experience to each member of the graduating class.

New accommodations have been provided in the general hospital, and the Maternity Department now offers better facilities than ever before. The private rooms and wards are modern in all respects, and the large increase in clinical material has made it possible to offer excellent opportunities for post-graduate work.

Three resident physicians are annually appointed to this hospital from among the graduates of the University.

For purposes of instruction in this branch, the members of the Junior Class are taken in sections into the wards of the hospital where, under the supervision of the Professor of Obstetrics and his Assistants, they are practically trained in the various methods of physical examination of obstetric patients.

Sections of the Senior Class are assigned in rotation to attend labor cases in the hospital and arrangements have been made by which members of these sections shall reside in an annex to the hospital, whence they may be summoned without delay at any hour.

By such arrangement the Senior students are afforded opportunities of thoroughly utilizing the large clinical material offered by this important department.

The out-door clinic now includes an obstetric dispensary opened daily for the ante and post-partum care of this class of patients, as well as the pre-natal care of their offspring.

Students of the Senior class are required to attend this dispensary clinic as well as labor cases at the homes of the patients under the supervision of the Professor of Obstetrics and his Assistants.

Each student will be required to conduct and keep accurate record of at least ten confinement cases under such supervision.

THE MARYLAND LYING-IN HOSPITAL.

This hospital adjoins the Maryland General Hospital and furnishes an abundance of clinical material which is under the control of the University of Maryland. There is an out-door clinic connected with this hospital, which is well organized and is under the supervision of the Obstetrical Department of this school.

Synopsis of the Reports of the Resident Physicians for the year ending May 1, 1915.

Number of Confinements in Hospitals	756
Number of Confinements in Out-Door Department	1531
Total	2287

Average number of cases seen by each student of the graduating class, 50.

THE MARYLAND LYING-IN ASYLUM.

(MATERNITÉ.)

The Maryland Lying-in Asylum, in which the obstetrical clinics are held, was established by the College of Physicians and Surgeons in 1874. It is the pioneer institution of its kind in the State of Maryland, and one of the first in this country.

The Lying-in Asylum is open during the entire year, and furnishes every student in the graduating class of the school valuable training in the practice of midwifery.

THE CITY HOSPITALS.

The clinical advantages of the University have been largely increased by the liberal decision of the Board of Supervisors of City Charities to allow the immense material of these hospitals to be used for the purpose of medical education. There are daily visits and clinics in medicine and surgery by the Staff of the City Hospitals, and the dead-house furnishes a great abundance and variety of pathological material, which is used for demonstration.

The City Hospitals consist of the following separate hospitals:

The General Hospital, 160 beds,

The Municipal Hospital for Tuberculosis, 190 beds,

City Detention Hospital for Insane, 450 beds.

THE PRESBYTERIAN EAR, EYE AND THROAT CHARITY HOSPITAL.

This institution, which was founded in 1877, largely through the efforts of the late Dr. J. J. Chisolm, then Professor of Diseases of the Eye and Ear in the University of Maryland, is one of the largest special hospitals in the country.

During the year 1914 there were admitted to the Dispensary and Hospital, 11,688 persons.

The Dispensary and wards of this hospital afford ample facilities for the study of diseases of the eye, ear, nose and throat.

THE JAMES LAWRENCE KERNAN HOSPITAL AND INDUSTRIAL SCHOOL OF MARYLAND FOR CRIPPLED CHILDREN.

This institution contains seventy-five beds for the active treatment of deformities. It is situated at "Radnor Park," a colonial estate of sixty-five acres at Hillsdale, one mile from the western city limits, reached by trolley.

This institution has city, state, endowed and private beds and every modern facility for the treatment of orthopedic cases as well as a most beautiful park-like environment and farm, and is closely affiliated with the University of Maryland.

ST. VINCENT'S INFANT ASYLUM.

The facilities of this institution, containing 250 infants and children, have been kindly extended to the University of Maryland by the Sisters of Charity. This large clinic enables this school to present to its students liberal opportunities for the study of diseases of infants and children.

MOUNT HOPE RETREAT FOR THE INSANE.

This hospital contains an average of 1,000 patients, is attended by Prof. Charles G. Hill, A.M., M.D., of this faculty, and presents rare opportunities for the study of nervous and mental diseases.

SOUTH BALTIMORE EYE, EAR, NOSE AND THROAT CHARITY HOSPITAL.

This hospital is situated in south Baltimore and has a large outpatient department devoted to Diseases of the Eye, Ear, Nose and Throat.

Dr. H. E. Peterman is visiting surgeon, and small groups of students are sent there for instruction in the above named diseases.

ROSEWOOD STATE TRAINING SCHOOL

This hospital situated in the suburbs of Baltimore is owned and controlled by the State of Maryland. It contains 700 beds devoted to the treatment and training of the feeble minded and epileptics. Dr. Frank W. Keating is the superintendent and is Instructor in Psycho-Asthenics in the University of Maryland. Sections of the Fourth Year class are sent to this hospital for instruction in the proper care of feeble minded and epileptics.

SPRING GROVE STATE HOSPITAL.

This hospital is a state institution for the treatment of the insane. There are 750 beds. Dr. J. Percy Wade is superintendent Students of this school may be sent to this institution for instruction in the diagnosis and treatment of mental diseases.

SPRINGFIELD STATE HOSPITAL.

This large state institution for the treatment of mental diseases is situated at Sykesville, Md. There are accommodations for 1300 patients. Dr. J. Clement Clark, the superintendent, is also Associate Professor of Psychiatry in the University of Maryland.

THE SHEPPARD AND ENOCH PRATT HOSPITAL FOR THE INSANE.

This excellent institution offers abundant material for the study of mental diseases.

PASTEUR INSTITUTE OF BALTIMORE.

Located at the Mercy Hospital.

Director

Professor N. G. KEIRLE, A.M., M.D., Sc.D., LL.D.

Associate Director

HUBERT C. KNAPP, M.D.

The Pasteur Department of the Mercy Hospital was founded by the College of Physicians and Surgeons for the preventive treatment of hydrophobia according to the Pasteur method. It is modeled after the Pasteur Institute of Paris. The method is the result of personal investigation at the institute and is identical with that used in Paris.

Without the Pasteur preventive treatment, the mortality from the bites of rabid animals is sixteen to twenty-five per cent. Of those treated by the Pasteur method the mortality is about one-thirteenth of one per cent.

Patients should come without any delay direct to the Mercy Hospital, corner of Saratoga and Calvert Streets, here they will be received by the resident physician and supplied with suitable accommodations. They will be required to remain twenty-three days.

Those applying for treatment should bring a certificate from the veterinarian or anyone who has made an examination of the animal.

The certificate should state whether the animal had rabies or was only suspected to have had it.

Persons bitten by animals suspected to be rabid should make an especial effort to have the animal kept under observation to determine whether it has rabies. If the animal is dead, the whole body or the head, with part of the neck attached, should be sent to the laboratory at the College for investigation. To prevent putrefaction, it should be packed in ice and sent at once by express, prepaid.

UNIVERSITY HOSPITAL DISPENSARY.

This department of the University Hospital furnishes a most abundant supply of material for clinical instruction. During the past year the number of visits made by patients to the various departments of the Dispensary was 27,181.

The whole department is arranged and thoroughly organized to facilitate the classification of the patients coming under treatment and their distribution to the various professors giving clinical lectures.

During the intervals between the sessions the regular clinics are continued in the amphitheater, and there is also, each day, a bedside clinic in the hospital and service in the Dispensary. It will thus be seen that the school offers unusual facilities for clinical study during its regular session, and that the continuance of the clinics during the year affords opportunity to such students and graduates as can spend their time in the city.

Attention is called to the fact that during the intervals between the sessions, from June to October, students have the advantage of *three hours of clinical instruction daily*, between the hours of 11 a.m. and 2 p.m.

MARYLAND GENERAL HOSPITAL DISPENSARY.

The Maryland General Hospital Dispensary treats 18,000 indigent patients annually, and supplies this school with an inexhaustible clinic for the instruction of its students. In the outdoor department of the dispensary, advanced students visit and treat patients at their homes, under the direction of the dispensary physician or his assistants.

DISPENSARY OF THE COLLEGE OF PHYSICIANS AND SURGEONS.

The Dispensary Rooms are located on the lower floors of the College building. Separate rooms are set apart for the different clinics, general and special. A dispensary staff is in attendance

from 9.30 a.m. to 3.30 p.m. A large number of patients are available for clinical instruction. The value of this dispensary can be appreciated by the fact that the number of patients was 7,956 and the number of visits 21,280 during the year ended January 1, 1915. The third and fourth year classes are subdivided into small sections, and several sections are assigned daily to work in the Dispensary.

RESIDENT STUDENTS.

Accommodations are provided in dormitories adjacent to the University Hospital for resident students. To these are assigned wards in the hospital, with attendance upon the sick, under the daily supervision of the professors and resident house officers. Special attention is called to the fact that in this institution undergraduates are permitted to enjoy the very great advantages of constant observation of the sick and of receiving daily bedside instruction from the members of the Faculty. Rotation in ward service is the rule adopted, in order that the experience of the students may be as varied as possible.

LABORATORIES.

ANATOMICAL LABORATORY.

This laboratory is in charge of Associate Professor Holland and his assistants. It occupies an entire floor of one of the laboratory buildings and has in addition a smaller room for section teaching. The University has recently built its own storage and embalming plant, which supplies an abundance of anatomical material. The museum affords a large collection of both wet and dry specimens which are used in teaching. There is also a considerable amount of material in comparative anatomy. Dissecting tickets must be countersigned as an evidence of satisfactory dissecting.

Anatomical material is furnished in abundance free of charge.

CHEMICAL LABORATORY.

The Chemical Laboratory is under the supervision of the Professor of Analytical Chemistry, aided by the Demonstrators. Each student during his course has assigned him a table and is fully supplied,

with all necessary apparatus and chemicals, free of charge, except for breakage, which is charged at cost price.

Students of the first year's class will be required to devote six hours weekly to work in this department.

LABORATORY OF PRACTICAL AND EXPERIMENTAL PHYSIOLOGY.

This laboratory is fully equipped with the latest and most improved apparatus.

Each student is trained to become familiar with the phenomena of life by objective and personal study.

An abundant supply of material is provided for experiment and demonstration.

The laboratory is also well adapted for post-graduate study and special research in Physiology, for which opportunity will be given under suitable regulations.

LABORATORY OF PHYSIOLOGICAL CHEMISTRY.

The second year class is given practical instruction in the chemistry of the sugars and proteins as well as a detailed course in the chemistry of the various secretions. The experiments performed by each student are adapted to illustrate not only the physiological but also the pathological conditions which may result in various diseases from perverted metabolism. The chemistry of the food stuffs and its practical bearing upon diet is especially dwelt upon. The course is essentially practical, only including so much theoretical physiology as is necessary for a proper knowledge of the subject. Graduates and advanced students competent to undertake such work, who desire to pursue special chemical investigation, will be given the opportunity under suitable regulations.

LABORATORY OF HISTOLOGY AND EMBRYOLOGY.

This laboratory is equipped for teaching Histology and Embryology.

There is a large collection of charts, specimens and apparatus used in teaching. The necessary equipment for the practice of technique is provided.

LABORATORIES OF PATHOLOGY AND BACTERIOLOGY.

The subject of special bacteriology is taught during a portion of the second year in a well equipped laboratory containing sterilizers, water baths, and other necessary equipment for this purpose.

The subject of histopathology is also taught during the second year in a properly equipped laboratory. The details concerning this work are described under the subject of Department of Pathology and Bacteriology.

The instruction in gross pathology is obtained during the third year by attendance upon the autopsies at the University Hospital, the Mercy Hospital, and the Maryland General Hospital, and special instruction in this subject is also given by demonstrations with a large amount of pathological material at the City Hospitals situated at Bay View. The subject of gross pathology is also taught in the third year by means of lectures and demonstrations to sections of the third year class and a special effort is made to apply this subject to the explanation of the symptoms and clinical signs of disease. The instruction in autopsy technique is also given personally to small groups of students.

LABORATORY OF CLINICAL PATHOLOGY.

This laboratory is fully equipped for the study of practical laboratory work in its relationship to clinical medicine. Each student is supplied with a locker, containing a microscope and sufficient apparatus for any ordinary examination.

The wards and out-patient departments of the University and allied hospitals furnish an abundance of material for study.

By reason of individual equipment, much work outside of class hours is expected of the student.

The class room is adequately lighted, and is conveniently situated for teaching purposes.

LIBRARIES.

The University Library, founded in 1813 by the purchase from his widow of the collection of books of Dr. John Crawford, now contains 12,610 volumes, 76 current journals and several thousand pamphlets and reprints. During the year ending June 1, 1915, 614 volumes were added. It is open daily during the year, except in August, for the use of members of the Faculty, students and the profession generally. Books may be taken out without charge by making a deposit of three dollars. It is well stocked with recent literature and the more commodious quarters acquired in Davidge Hall have promoted very much its growth and usefulness.

The College of Physicians and Surgeons Library, under the charge of a Librarian, is open daily. It includes 2,000 volumes, and in addition the important medical journals, domestic and foreign can be found upon its shelves.

Other libraries of Baltimore are the Peabody (181,000 volumes), the Enoch Pratt Free Library (280,000 volumes) and the Library of the Medical and Chirurgical Faculty. The last named library receives the leading medical publications of the world and complete sets of many journals are available.

The libraries are open to students of the Medical School without charge.

The nearness of Washington puts the immense libraries of the national capital at the disposal of students of this school.

THE MUSEUM.

The museum occupies a separate apartment in the main building. It is under the care of the curator, Prof. J. Holmes Smith and his assistants It contains a large collection of anatomical preparations, plaster casts, charts, models, etc., used in teaching anatomy. It contains also a number of specimens of comparative anatomy. There is a large collection of gross pathological specimens and cut sections mounted for demonstration. For the department of obstetrics, there is an excellent collection of normal and abnormal human embryos.

PUBLICATIONS.

Two monthly journals are published by the University. *The University Gazette* is devoted to the interests of the entire University and is published under the auspices of the General Alumni Association. *The Hospital Bulletin* is the publication of the Medical School. Dr. Nathan Winslow is editor.

The *Journal of the Alumni Association of the College of Physicians and Surgeons* is published quarterly. Dr. Charles E. Brack is the business manager.

DENTAL INFIRMARY.

The Dental Department of the University of Maryland is situated upon the University grounds, fronting on Greene Street, and adjoining the building of the School of Medicine.

Daily clinics are held in this department in the afternoon from 2 to 5 o'clock, which are open to students of the School of Medicine, and offer excellent opportunities to students intending to practice in the country to familiarize themselves with dental operations.

DEPARTMENT OF PHARMACY

By arrangements recently concluded between the two institutions, the Maryland College of Pharmacy, established in 1841, and widely and favorably known as one of the oldest and most prominent of the institutions of its kind in this country, has become the Department of Pharmacy of the University of Maryland, and now occupies buildings upon the University grounds.

The lectures and laboratories in this Department will afford to students of the School of Medicine who expect to practice in the country, opportunities of acquiring a knowledge of correct methods of dispensing medicines which will be of much value in their future practice.

Special courses of instructions in the laboratories of Pharmacy may be arranged for upon payment of a moderate fee.

ANNUAL APPOINTMENTS.

On February first of each session the following annual appointments are made from among the graduates of the school.

TO THE UNIVERSITY HOSPITAL.

Superintendent.
Six Resident Surgeons.
Four Resident Physicians.
Two Resident Gynecologists.
Two Resident Pathologists.
Three Resident Obstetricians.

TO THE MARYLAND GENERAL HOSPITAL.

One Chief of House Staff.
Two Resident Physicians.
Five Resident Surgeons.
One Resident Obstetrician.

TO THE MERCY HOSPITAL.

Superintendent.
Six Resident Surgeons.
Five Resident Physicians.
One Resident Gynecologist.
One Resident Obstetrician.
Two Accident Service Residents.
One Ambulance Surgeon.

A number of students are appointed each year, at the close of the session, as Clinical Assistants in the University Hospital. The fee for such hospital residence is *one hundred and fifty dollars* per year, PAYABLE IN ADVANCE. This covers lodging, light and heat.

Many appointments to other hospitals of Baltimore are made annually, to which graduates of this school are eligible.

PRIZES.

Faculty Prize—To stimulate study among the candidates for graduation, the Faculty offers a Gold Medal to the candidate who passes the best general examination. Certificates of Honor are awarded to the five candidates standing next highest.

REQUIREMENTS FOR MATRICULATION.

Admission to the course in medicine is by a completed Medical Student Certificate issued by the Board of Medical Examiners of Maryland. This certificate is obtained from Prof. Isaac L. Otis, the Entrance Examiner of the Board, on the basis of satisfactory credentials, or by examination, or both, and is essential for admission to any class.

The requirements for the issue of the Medical Student Certificate are those prescribed by the rules of the Association of American Medical Colleges, of which Association this Faculty is a member, and comprise:

(A) The completion of a standard four-year high school course, or its equivalent, and, in addition,

(B) One year of college credits in chemistry, biology, physics and French or German.

(A) THE HIGH SCHOOL REQUIREMENT.

(1) A diploma and transcript of record from a fully accredited high school, normal school or academy requiring for admission evidence of the completion of a standard course in primary and intermediate grades and for graduation, the completion of a standard four-year high school course, embracing two years (2 units) of mathematics, two years (2 units) of English, two years (2 units) of a foreign language, one year (1 unit) of American History and Civics and seven years (7 units) of further credit in language, literature, history or science, making the total of units at least fourteen; or,

(2) An examination in the following branches totaling 14 units:

(1) Required, 7 units.	Units.
Mathematics—(Minimum 2 years; maximum 3 years) Algebra and plane geometry	2
English—(Minimum 2 years; maximum 4 years)	2
A Foreign Language—(Minimum 2 years; maximum 4 years)	2
U. S. History	1
Total required units	7

(2) Elective, 7 units. To be selected from the following:

English	1
Mathematics, Algebra. Solid Geometry, Trigonomentry	1½
Latin, Greek, German, French, Spanish, Scandinavian	13
History (foreign)	3
Science, Botany, Zoölogy, Chemistry, etc	5
Agriculture	1
Drawing	1
Manuel Training	1
Domestic Science	1
Music	1
	28½

One unit in any subject is the equivalent of work in that subject for four or five periods per week for a year of at least thirty-six weeks, periods to be not less than forty-five minutes in length. One unit is equivalent to 2 semester credits or 2 points.

(B) THE COLLEGE REQUIREMENT.

a. The preliminary college year shall extend through one college session of at least thirty-two weeks of actual instruction, including final examinations.

b. In excellence of teaching and in content, the work of this preliminary college year shall be equal to the work done in the freshman year in standard colleges and universities.

c. This preliminary college year shall include courses in physics, chemistry, biology and German or French, each course to embrace at least eight semester hours of didactic and laboratory work in each subject as shown in the schedule below, provided that a student may satisfy the requirement of physics in presenting one unit of high school physics and completing a half year of college physics which continues and does not duplicate the work done in the high school.

Provided also, that a student may satisfy the requirement of French or German by presenting two units of regular high school work in either language and completing a half year of college work in that language, which continues and does not duplicate the work done in the high school, or by presenting three units of regular high school work in French or German.

In the administration of the entrance requirements of the preliminary college year conditions may be allowed until September 1917, amounting to not more than one-half of the requirement in physics and one-half of the requirement in a modern language.

Schedule

SUBJECT	LECTURES OR RECITATIONS PER WEEK	LABORATORY PERIODS PER WEEK	TOTAL HOURS PER SEMESTER	TOTAL SEMESTER HOURS PER YEAR
Physics (1)	2	2	4	8
Chemistry (1)	2	2	4	8
Biology (1)	2 or 3	2 or 1	4	8
German or French (2)	4 or 3		4 or 3	8 or 6
Total	10	6 or 5	16 or 15	32 or 30

Each laboratory period must extend over at least two hours.

Or, expressed in class hours

SUBJECT	TOTAL HOURS LECTURES OR RECITATIONS	TOTAL HOURS LABORATORY WORK	TOTAL MINIMUM HOURS DIDACTIC AND LABORATORY
Physics (1)	64	128	192
Chemistry (1)	64	128	192
Biology (1)	64 or 96	128 or 64	128 or 160
German or French (2)	128 or 96		128 or 96
Total	320	384 or 320	704 or 640

All such conditions shall be removed before registration for the second year.

The valuation of credentials can be made by the Entrance Examiner only, and all students whose entrance qualifications are not clearly satisfactory, or whose certificates are not complete, are advised to obtain from him or from the Dean blank forms on which to prepare a full statement of their previous education, in advance of their coming to Baltimore. Such statements to be submitted to the Entrance Examiner for his advice as to the course to be pursued.

The Entrance Examiner for Maryland is Prof. Isaac L. Otis, Hall of the Medical and Chirurgical Faculty of Maryland, 1211 Cathedral Street, Baltimore. To him must be submitted the credentials of all applicants, and by him is issued the certificate upon which the student is matriculated.

The student is earnestly advised to qualify himself under his State law, and, where such certificates are issued, to receive the medical students' certificate from the State authorities before enter-

ing upon his medical studies. By adopting this course future difficulties may be avoided.

Graduates in Medicine desiring to take the Senior Course, without being candidates for the degree, and therefore without examination, may receive a certificate of attendance.

COMBINED COURSE IN ARTS AND MEDICINE.

St. John's College, Annapolis, Md., founded in 1696, is by contract of affiliation styled and recognized as the Department of Arts and Sciences of the University of Maryland.

Students who have completed the Junior Year in St. John's College and who have made an approved choice of electives may if they desire it do the entire work of the Senior Year in the Medical School of the University. If they successfully complete the work of the first medical year they are graduated with their class with the degree of A B. from St. John's College.

By taking advantage of this privilege a man may complete the Undergraduate and Medical courses in seven years.

During three of these years or until he has completed the work of the Junior class he is a resident student in St. John's College and for four years he is a resident in the Medical School in Baltimore.

At the end of the fourth year he receives the A.B. degree, and at the end of the seven years the M.D. degree, but credit from the Medical School cannot be accepted in subjects for which credit has already been given in the College of Liberal Arts.

In order to meet the increased requirements for matriculation taking effect January 1, 1914, a special Pre-Medical Course in Chemistry, Physics, Biology and French or German is now offered in St. John's College.

GRADUATES OF PHARMACY.

Graduates of recognized Colleges of Pharmacy will be given credit for the work which they have done in Chemistry and Materia Medica and will be excused from the lectures, laboratory work and recitations upon these subjects in the Freshman Year. The fee for the Freshman Year to Graduates of Pharmacy will be $125.

RULES.

1. Tickets for practical anatomy must be countersigned by the proper demonstrators. Unless properly countersigned, a ticket will not be accepted as evidence of a completed course.

2. All students are required to stand the spring examinations unless excused by the Dean. No student will be permitted to enter the third-year class who has not completed all first-year work, and no student will be permitted to enter the fourth-year class who has not completed all second-year work, nor shall a student be advanced from a lower to a higher class if he is conditioned in more than one major and one minor subject.

3. The graduation fee, which is $30, must be deposited with the Dean before the candidate can be admitted to final examination. This fee is returned in case the examination is unsuccessful.

4. Should a student be required to repeat any year in the course he must pay regular fees.

5. A student failing in final examination for graduation at the end of the fourth year will be required to repeat the entire course of the fourth year and to take examinations in such other branches as may be required, should he be permitted to again enter the school as a candidate for graduation.

6. Students are required to pay for breakage and to make a deposit on this account. The unexpended balance will be returned at the end of the session.

7. The general fitness of a candidate for graduation will be taken into consideration by the Faculty as well as the results of his final examination.

All the above rules, as well as the fees stated below, relate to the year ending June 1, 1916, only. The right is reserved to make changes in the curriculum, requirements for graduation, fees and all the regulations whenever the Faculty deem it expedient.

FEES.

Matriculation fee (paid each year)	$5.00
Tuition fee (each year)	165.00
Graduation fee	30.00

There are no extra charges for instruction in any department, or for laboratory courses, except for breakage, and in special cases for materials consumed.

Tuition fees are due and payable during October, and if the entire amount is paid at the Dean's office before November 1, the tuition fee for that year will be $160.

The above fees apply to all students who matriculate in this insti-

tution for the first time, in any class, for the session beginning October 1, 1915.

Students who have already attended one or more full courses of instruction in this institution will be entitled to complete the course in medicine at the current rates in force at the time of their first full course of lectures in this institution.

Fees for individual courses, $25 each.

SCHOLARSHIPS

The Dr. Samuel Leon Frank Scholarship.

This scholarship, established by Mrs. Bertha Rayner Frank as a memorial of the late Dr. Samuel Leon Frank, an alumnus of this University, entitles the holder to exemption from the payment of the tuition fee of that year.

It is awarded by the Trustees of the Endowment Fund of the University in each year upon nomination of the Faculty of Physic, "to a medical student of the University of Maryland, who in the judgment of said Faculty, is of good character, and in need of pecuniary assistance to continue his medical course."

This scholarship is awarded to a second, third or fourth year student only, who has successfully completed one year's work in the medical course, and no student may hold such scholarship for more than two years.

The Charles M. Hitchcock Scholarships.

From a bequest to the School of Medicine by the late Charles M. Hitchcock, M.D., an alumnus of the University, two scholarships have been established which entitle the holders to exemption from payment of tuition fees for the year.

These scholarships are awarded annually by the Faculty of Physic to students who have meritoriously completed the work of at least the first year of the course in medicine, and who present to the Faculty satisfactory evidence of good moral character, and of inability to continue the course without pecuniary assistance.

The Randolph Winslow Scholarship.

This scholarship, established by Prof. Randolph Winslow, M.D., LL.D., entitles the holder to exemption from the payment of the tuition fee of that year.

It is awarded annually by the Trustees of the Endowment Fund of the University, upon nomination of the Faculty of Physic, to "a needy student of the Senior, Junior, or Sophomore Class of the Medical School.

"He must have maintained an average grade of 85% in all his work up to the time of awarding the scholarship.

"He must be a person of good character and must satisfy the Faculty of Physic that he is worthy of and in need of assistance."

The University Scholarship.

This scholarship, which entitles the holder to exemption from payment of the tuition fee of the year, is awarded annually by the Faculty of Physic to a student of the Senior Class who presents to the Faculty satisfactory evidence of good moral character, and that he is worthy of and in need of assistance to complete the course.

The St. John's Scholarship.

This scholarship is awarded annually by the Faculty of Physic upon the nomination of the President of St. John's College.

It entitles the holder to exemption from the payment of the tuition fee of that year.

NOTICE TO STUDENTS.

The personal expenses of students are at least as low in Baltimore as in any large city in the United States. The following estimates of students' personal expenses for the academic year of eight months have been prepared by students, and are based upon actual experience:

Items.	Low.	Average.	Liberal.
Books	$ 18	$ 32	$ 50
College Incidentals	....	5	10
Board, eight months	96	112	128
Room rent	48	65	80
Clothing and washing	35	50	100
All other expenses	10	20	75
Total	$207	$284	$443

Students will save time and expense upon their arrival in the city by going direct to the School of Medicine on the University grounds, N. E. corner of Lombard and Greene Streets, where the Superintendent of buildings, who may be found at his office on the premises,

will furnish them with a list of comfortable and convenient boarding houses suitable to their means and wishes.

The Dean will, if desired, attend to the collection of checks and drafts for students.

For further information, apply to either

ARTHUR M. SHIPLEY, M.D., *Acting Dean*,
University of Maryland, Baltimore, Md.

WM. F. LOCKWOOD, M.D., *Dean*,
College of Physicians and Surgeons.

ORGANIZATION OF THE CURRICULUM.

The following curriculum is the result of a recent and thorough revision of teaching in this school in order to meet modern requirements. The multiplication of specialities in medicine and surgery necessitates a very crowded course and the question of electives is one which very soon will be depended on to solve some of the difficulties.

The curriculum is organized under ten departments.

1. Anatomy (including Histology and Embryology).
2. Physiology.
3. Chemistry including Physiological Chemistry.
4. Materia Medica and Pharmacology.
5. Pathology and Bacteriology.
6. Medicine (including Medical Specialties).
7. Surgery (including Surgical Specialties).
8. Obstetrics.
9. Gynecology.
10. Ophthalmology and Otology.

The instruction is given in four years of graded work.

Each year consists of thirty-two weeks and is divided into two semesters.

Several courses of study extend through two years or more, but in no case are the students of different years thrown together in the same course of teaching.

The first and second years are devoted largely to the study of the structures and functions of the normal body and laboratory work occupies most of the student's time during these two years.

Some introductory instruction in Medicine and Surgery is given in the second year. The third and fourth years are almost entirely clinical.

A special feature of instruction in the school is the attempt to bring together teacher and student in close personal relationship. In many courses of instruction the classes are divided into small groups and a large number of teachers insures attention to the needs of each student.

In many courses the final examinations as the sole test of proficiency has disappeared and the student's final grade is determined largely by partial examinations, recitations and assigned work carried on throughout the course.

DEPARTMENT OF ANATOMY INCLUDING HISTOLOGY AND EMBRYOLOGY.

J. Holmes Smith, M.D.....Professor of Anatomy
A. C. Pole, M.D.....Professor of Descriptive Anatomy
Tilghman B. Marden, A.B., M.D. ..Professor of Histology and Embryology
J. W. Holland, M.D.....Associate Professor of Anatomy
J. L. Wright, M.D.....Associate in Anatomy and Histology
Alfred Ullman, M.D.....Associate in Anatomy
W. G. Queen, M.D.....Lecturer in Osteology
Fred. Rankin, A.M., M.D.....Assistant in Anatomy
F. L. Jennings, M.D.....Assistant in Anatomy
C. W. Rauschenbach, M.D.....Assistant in Anatomy

Anatomy.

First Year. Didactic. Three hours each week for thirty-two weeks.

This course embraces the integuments, myology, angiology, osteology, syndesmology and the peripheral nerves.

Laboratory. Twelve hours each week for sixteen weeks. Abundance of good material is furnished and the student is aided in his work by competent demonstrators. Examinations are held at regular intervals throughout the session, and each student will be held to strict account for material furnished him.

Osteology. Two hours each week for thirty-two weeks. Lectures, demonstrations and recitations. Each student is furnished a skeleton and a deposit is required to insure its return at the end of the session.

Second Year. *Didactic.* Three hours each week for thirty-two weeks. Lectures, recitations and conferences.

Laboratory. Twelve hours each week for sixteen weeks. This course includes topographical and applied anatomy of the body cavities and viscera and the cerebro-spinal and sympathetic nervous systems with special demonstrations of important subjects to the class in small sections.

The teaching of anatomy is illustrated by means of charts, diagrams, special dissections and the projection apparatus.

Histology.

First Year. Lectures, recitations and laboratory work, nine hours each week during first semester; three hours each week during second semester. The most important part of the work will be done in the laboratory, where each student will be provided with a microscope, apparatus, staining fluids and material necessary for the preparation of specimens for microscopical examination. An important aid to the course is the projection microscope which is used for the projection upon a screen of magnified images of the specimens actually used in the laboratory.

Embryology.

Lectures, recitations and laboratory work; six hours each week during the second semester.

This course includes the study of the development of the chick, and the fundamental principles of mammalian embryology. In the laboratory, the hen's egg will be studied in its various stages of development, and sections of the chick at different periods of incubation will be made and studied microscopically. The latter part of the course will be devoted to the study of sections through different regions of a mammal.

DEPARTMENT OF PHYSIOLOGY.

John C. Hemmeter, M.D., Ph.D., Sc.D., LL.D.....Professor of Physiology
Bartgis McGlone, A.B., Ph.D.....Professor of Physiology and Biology
C. C. Conser, M.D.....Associate Professor of Physiology
G. W. Hemmeter, M.D.....Associate in Physiology
Firmadge K. Nicols, A.B., M.D.....Associate in Physiology
Henry T. Collenberg, A.B., M.D.....Associate in Physiology

First Year. 1. *General Biology.* This course is designed to serve as a practical introduction to the course in physiology and aims to acquaint the student with the elementary forms, forces, and laws of living nature upon which practically all medical science is depen-

dent. First half year, lectures and conferences three hours a week. Laboratory four hours a week. Professor McGlone and Dr. Nichols.

2. *Physiology.* This course follows the course in General Biology and includes the physiology of blood, circulation, respiration, and a portion of the nervous system. Second half year, lectures and conferences three hours a week. Professor McGlone.

Second Year. 3. *Advanced Physiology, Biochemistry and Biophysics.* This course covers the entire field of physiology in a series of lectures, recitations, demonstrations and conferences that is based upon an already acquired knowledge of the elements of this science as given under No. 1 and 2. The doctrines and theories of modern physiology as far as they give promise of fruitful development of this science are discussed and weekly conferences are held between the classes and the teacher.

It is impossible to itemize the various topics that are discussed in this course, only the more important can be mentioned, for example: the Ionic hypothesis—the theory of solutions (Van't Hoff—Arrhenius—J. H. Hamburger—DeVries) and its relation to biochemistry. The theories of immunity (Metschnikoff—Ehrlich)—the tropisms especially—the doctrine of neuro-chemic coördination and its bearing to pharmaco-tropism, etc., etc., are made comprehensible to the student. Lectures and conferences three hours a week. Professor John C. Hemmeter assisted by Associate Professor Conser.

4. *Experimental Biophysics and Biochemistry.* This is a purely Laboratory course in the dynamics of muscle and nerve, nervous system, circulation and respiration, digestion-metabolism, excretion, secretion, etc. The field covered is that as outlined in Hemmeter's *Manual of Practical Physiology.* Laboratory six hours a week for five months. Professor McGlone, Drs. Conser, G. W. Hemmeter, Nichols and Collenberg.

5. *Special Mammalian Physiology.* This is a Laboratory course intended for advanced Laboratory students (optional) who may wish to do special work in this line of physiology. Hours to be arranged. Professor McGlone.

6. *Research in Physiology.* Properly qualified students will be admitted to the laboratory which is well adapted for post-graduate study and special research. Hours will be arranged to suit individuals. Professor John C. Hemmeter.

W. Simon, Ph.D., M.D., Sc.D.....Professor of Chemistry
E. L. Whitney, M.D.....Associate Professor of Physiological Chemistry
G. Howard White, A.B., M.D. Associate Professor of Physiological Chemistry
H. Boyd Wylie, M.D.....Associate in Physiological Chemistry
E. F. Kelly, Phar.D.....Associate in Chemistry

First Year *Organic Chemistry.* 1. Lectures and Recitations; two hours per week throughout the session.

The method adopted for the study of carbon compounds is to lead the student from the consideration of the most simply constituted bodies to those of more and more complex composition. Much stress will be laid on the reasons which justify the adoption of the prevalent views in regard to the structure of carbon compounds. During the study of the various groups those substances which are of more general interest to the medical student will be specially considered.

2. Laboratory work Four hours per week during the session.

A course of carefully selected experiments, performed by the student in the laboratory serves to impart a clear idea of the manifold changes which organic compounds undergo. He learns here much by witnessing the actual building up of complex carbon compounds by synthetical methods and sees the breaking down of others into simpler forms of matter.

Second Year. *Organic and Physiological Chemistry.* 1. Lectures and recitations. One hour per week throughout the session.

This course includes the study of general organic chemistry with special attention to the more important carbon compounds which are of particular importance to the student of medicine, with reference to their relations to physiology, pathology and clinical medicine. Professor Simon.

2. Laboratory Work. Six hours per week for one semester.

This includes a study of the properties of the food stuffs, their decomposition and metabolic products, digestion, the blood, chemistry of the secretions and excretions, and the various abnormal compounds resulting from perverted metabolism. The student will be expected to familiarize himself with the manipulation of the apparatus in use in the study of the various secretions, excretions and fluids of the body. Associate Professor Whitney.

Special Courses. *Original Investigation.* Graduates and advanced students competent to undertake such work, who desire to

pursue special chemical investigation, will be given the opportunity, under suitable regulations, with the advice and assistance of the Instructors of the Department.

DEPARTMENT OF MATERIA MEDICA AND PHARMACOLOGY

Samuel J. Fort, M.D...Professor of Materia Medica and Pharmacology
E. L. Whitney, M.D.....Associate Professor of Pharmacology
H. L. Sinsky, M.D.....Associate in Materia Medica
H. Boyd Wylie, M.D.....Associate in Pharmacology

First Year Two hours per week throughout the session, didactic lectures on Materia Medica. Professor Fort.

A laboratory course in Pharmacy and prescription writing, two hours per week. Dr. Sinsky.

Second Year. Two hours per week throughout the session on Pharmacology. Professor Fort.

A laboratory course of two hours per week throughout the session, on the physiological and toxicological action of the more important drugs. Associate Professor Whitney and Dr. Wylie.

DEPARTMENT OF PATHOLOGY AND BACTERIOLOGY.

Wm. Royal Stokes, M.D.....Professor of Pathology and Bacteriology
Standish McCleary, M.D.....Professor of Pathology
H. R. Spencer, M.D...Associate Professor of Pathology and Bacteriology
Wm. Greenfeld, M.D....Associate Professor of Pathology and Bacteriology
Caleb W. G. Rohrer, A.M., M.D., PhD...Associate Professor of Pathology
Harry W. Stoner, M.D.....Associate in Pathology and Bacteriology
Frank W. Hachtel, M.D.....Associate in Bacteriology

Instruction in histopathology and in special bacteriology is given in the laboratories to the students of the second year The course in histopathology includes the demonstrations of the common lesions of the various viscera and the subject of general pathology including inflammation, degeneration and infiltration and tumors. The typical gross lesions are also exhibited during this course.

In special bacteriology the various methods of sterilization and preparation of culture material, the study of the pathogenic micro-organisms both of animal and vegetable origin, and the bacteriological study of milk, water, sewage and other such materials, are given. The bacteriological diagnosis of the infectious diseases is also included in this course. Animal inoculations and autopsies are performed in connection with the bacteria studied and the diagnosis of serum reactions and vaccine therapy are also given.

In the third year the subject of gross pathology is taught by means of museum specimens to groups of students and the special relationship of gross and microscopic lesions to clinical symptoms and signs of disease is especially emphasized. Autopsy technique is also taught to small groups of students by special instruction at the autopsies performed at the various hospitals and the specimens obtained at such autopsies are demonstrated to the entire class.

Second Year. *Bacteriology.* Ten hours a week for eleven weeks. Lectures 30 hours. Laboratory work 110 hours. Total 140 hours.

Pathology. This subject is taught in the second year in the following manner. Lectures 64 hours. Laboratory work 180 hours. Total 244 hours.

Third Year. *Applied Gross and Microscopic Pathology.* Four hours weekly for ten weeks each to three sections of the third year class. Total 40 hours.

Autopsy technique one hour weekly to the entire class. Total 30 hours. Gross Pathology in City Hospitals at Bay View two hours weekly to three sections of class. Total 20 hours.

Total laboratory hours in pathology for second and third year 270.

Fourth Year. *Clinical and Pathological Conferences.* One hour a week throughout the year. Total 30 hours.

The specimens from autopsies are studied with reference to clinical histories and gross and microscopic anatomy. Special emphasis is laid upon the correlation of the anatomical findings with the clinical symptoms and diagnosis. The demonstrations are also illustrated with sections of fixed material by means of a lantern upon a screen.

Courses in surgical and gynecological pathology are also given to the fourth year students, but these courses are under the direction of the Departments of Surgery and Gynecology.

MEDICAL JURISPRUDENCE AND HYGIENE

Nathaniel G. Keirle, A.M., M.D., Sc.D., LL.D.
Professor of Medical Jurisprudence
Joseph T. Smith, M.D.....Professor of Hygiene

Second Year. One hour each week for entire session.

Medical Jurisprudence. This course embraces consideration of medical evidence and testimony, confidential communications, malpractice, indications of death, pregnancy, delivery, infanticide and insanity.

Hygiene. This course embraces consideration of impurities in air, purification of air, lighting, heating, purification of water, filtration, removal of waste, disposal of sewerage, disinfectants, practical disinfection, food, preservation of food, beverages, exercise and clothing.

CLINICAL INSTRUCTION.

UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE.

DEPARTMENT OF SURGERY.

RANDOLPH WINSLOW, A.M., M.D., LL.D.....Professor of Surgery
ARTHUR M. SHIPLEY, M.D.....Professor of Surgical Pathology
RIDGELY B. WARFIELD, M.D.....Professor of Practice of Surgery
FRANK MARTIN, B.S., M.D.....Professor of Clinical and Operative Surgery
J. D. BLAKE, M.D.....Professor of Clinical Surgery
JOHN G. JAY, M.D.....Clinical Professor of Surgery
NATHAN WINSLOW, A.M., M.D.....Clinical Professor of Surgery
J. W. HOLLAND, M.D.....Associate Professor of Clinical Surgery
J. C. LUMPKIN, M.D.....Associate in Clinical Surgery
H. C. BLAKE, M.D.....Associate in Clinical Surgery
ROBERT P. BAY, M.D.....Associate in Surgery
FRANK S. LYNN, M.D.....Associate in Surgery
A. G. BARRETT, M.D.....Demonstrator of Surgery
F. J. KIRBY, M.D.....Instructor in Surgery
FRED RANKIN, A.M., M.D.....Instructor in Surgery
S. GRIFFITH DAVIS, M.D.....Instructor in Anaesthesia
HOWARD D. LEWIS, M.D.,.....Instructor in Surgery
HARRY L. KOLSETH, M.D.....Assistant in Surgery
J. D. BUBERT, M.D.....Assistant in Surgery

The course in surgery is progressive and aims to ground the student firmly in the principles of surgical science in order that later he may be prepared to build upon a firm foundation the superstructure of surgical art.

SECOND YEAR. During this year a practical course of bandaging is given upon the manikin; the student being required to apply personally the various forms of bandages to the different parts of the body.

THIRD YEAR. Surgical Pathology and Principles of Surgery. Lectures, recitations and clinics, three hours weekly at the University Hospital. Professor Shipley.

The class is divided in sections and receives instruction in history taking, gross surgical pathology and surgical diagnosis at the bedside and in the dead house in the City Hospitals at Bay View. Professor Shipley and Dr. Lynn.

Operative Surgery. Instruction is given in operative surgery upon

the cadaver and on dogs. The class is divided into sections and each section is given practical and individual work under the supervision of the instructors.

This course begins with the study of the general principles of operative surgery; anaesthesia, asepsis, antisepsis, description of instruments and sutures, etc.

The various operations are first described and demonstrated by the instructor, and the student afterward practices them upon the subject.

The entire subject of operative surgery is fully covered. Professors Martin, Clinical Professor N. Winslow and Dr. R. P. Bay.

Attendance upon surgical clinics and upon dispensary service is also expected when the student is not engaged in class work at the same hour.

FOURTH YEAR. *Practice of Surgery.* Illustrated by charts, drawings, pathological specimens, x-ray demonstrations, lantern slides and the balopticon, three hours a week. Professors Winslow and Warfield.

Surgical Clinics. Operative surgery and surgical diagnosis, three hours a week to entire class. Professors Winslow, Shipley, Warfield, Martin and Blake.

The class is divided into sections for ward instruction in surgery, for instruction in operative surgery and surgical diagnosis, and the post-operative treatment of surgical conditions, four days a week for two hours each day. Professors Winslow, Shipley, Warfield, Martin and Blake.

Dispensary instruction in the diagnosis and treatment of surgical ailments, two hours daily.

The administration of anaesthetics is taught didactically and practically and students are required to administer anaesthetics under the direction of an instructor. It is aimed to make the instruction during this year practical and to give the student first hand insight into the signs and treatment of surgical conditions. A large corps of able teachers and clinicians make it possible to give unusually close attention to the practical clinical instruction of each student.

OPHTHALMOLOGY AND OTOLOGY.

HIRAM WOODS, A.M., M.D.....Professor of Ophthalmology and Otology
J. FRANK CROUCH, M.D....Professor of Clinical Ophthalmology and Otology
WM. TARUN, M.D.....Clinical Professor of Ophthalmology and Otology
H. E. PETERMAN, M.D.....Associate in Ophthalmology and Otology
CLYDE A. CLAPP, M.D .....Associate in Ophthalmology and Otology
G. A. FLEMING, M.D.....Demonstrator of Ophthalmology and Otology
EDWARD A. LOOPER, M.D.,D.Oph..Instructor in Ophthalmology and Otology

Eye

Third Year. Instruction in anatomy, physiology and optics, illustrated by models, drawings, lantern slides, sections, etc., one hour each week for the first half of the second semester. During the last half of the second semester the class is divided into groups for demonstrations by sections, specimens, etc. of the anatomy and by models, drawings, etc. of the physiology of the eye, one hour each week for each section, Clinical Professor Tarun.

At the end of this course an examination will be held.

Fourth Year. Didactic lectures and recitations on functional disorders and diseases of the eye; one hour each week for entire course, Professor Woods and Clinical Professor Tarun.

Ear

Lectures and recitations on anatomy, physiology and diseases of the ear, one hour each week during the first semester in addition to general clinic and section teaching mentioned below. Professor Crouch.

Eye and Ear

Clinical lectures and recitations in diseases of the Eye and Ear one hour each week during the first semester. Professor Woods.

Clinical lectures and recitations in Diseases of the Eye and Ear one hour each week during the second semester. Professor Crouch and Clinical Professor Tarun.

The courses in Ophthalmology and Otology are intended to acquaint students with the diagnosis of ordinary eye and ear diseases, their treatment and complications; also with the symptoms of remote troubles shown by anomalies in these two important special organs. The courses are didactic and clinical. At the weekly general clinic effort is made to show the students the class of cases presented during the week in didactic work. Furthermore, the class is divided into sections for more intimate instruction in dispensary work at the University Hospital.

DERMATOLOGY

T. Caspar Gilchrist, M.R.C.S., L.S.A., M.D.....Professor of Dermatology
John R. Abercrombie, A.B., M.D .....Associate Professor of Dermatology
L. W. Ketron, A.B., M.D.....Associate in Dermatology
Harry M. Robinson, M.D. .....Demonstrator of Dermatology

Clinical conference one hour each week to entire class. This course will consist of demonstrations of the common diseases of the skin. Professor Gilchrist.

Dispensary instruction Mondays, Wednesdays and Fridays in the diagnosis and treatment of the common skin diseases. Drs. Abercrombie, Ketron and Robinson.

ORTHOPEDIC SURGERY.

R. Tunstall Taylor, A.B., M.D.....Professor of Orthopedic Surgery
Compton Riely, M.D.....Associate in Orthopedic Surgery
Sydney M. Cone, A.B., M.D.....Associate in Orthopedic Surgery
Henry Chandlee, M.D.....Associate in Radiography
W. H. Daniels, M.D.....Instructor in Orthopedic Surgery
Geo. E. Bennett, M.D.....Instructor in Orthopedic Surgery

In this course didactic, clinical, bed-side and out-patient instruction will be given. This instruction will be given in the University Hospital Amphitheater and Dispensary, Maryland General Hospital, Kernan Hospital and Industrial School for Crippled Children, and at "Radnor Park," and Dispensary of same at 2000 North Charles Street. Twenty-eight weekly lectures will be given in the University Amphitheater to the senior class as a whole and sections will be assigned to the out-patient and bed-side clinics.

The course will cover instruction in special methods and instruments required in this surgical specialty, including x-ray technique; Wolff's law; tuberculosis of bones and joints; deformities of the feet; non-tubercular diseases and deformities of bones and joints; the paralysis; the bursal, tendinous and muscular conditions producing orthopedic affections; rickets, scurvy, osteomalacia and chondrodystrophies; wry-neck and the use and application of orthopedic apparatus.

DISEASES OF THE THROAT AND NOSE.

Samuel K. Merrick, M.D.....Professor of Diseases of the Throat and Nose
John R. Winslow, A.B., M.D., Professor of Diseases of the Throat and Nose
H. C. Davis, M.D.....Demonstrator of Diseases of the Throat and Nose
George Murgatroyd, M.D., Demonstrator in Diseases of the Throat and Nose
Ernest G. Marr, M.D.....Assistant in Diseases of the Throat and Nose

Fourth Year. Clinical lectures. One hour each week through out the session. Professors Merrick and John R. Winslow.

Dispensary instruction in small sections, six hours each week at the University Hospital. Dr. Davis.

Dispensary instruction in small sections, six hours each week at the Maryland General Hospital. Drs. Murgatroyd and Marr.

GENITO-URINARY DISEASES.

GIDEON TIMBERLAKE, M.D.....Professor of Genito-Urinary Diseases
PAGE EDMUNDS, M.D.....Clinical Professor of Genito-Urinary Diseases
W. B. WOLF, M.D.....Associate Professor of Genito-Urinary Diseases
A. J. UNDERHILL, A.B., M.D.....Associate in Genito-Urinary Diseases

This course is entirely clinical and is taught chiefly in the dispensary. The student assumes the responsibility of certain cases under the supervision of instructors.

The course includes the diagnosis, pathology and treatment of venereal diseases and syphilis together with a careful study of the less common genito-urinary diseases. The course includes instruction in urinalysis, in endoscopic and cystoscopic examinations and the use of other instruments for the diagnosis and treatment of genito-urinary diseases. Many minor operations are performed in the out-patient department.

DISEASES OF THE COLON AND RECTUM.

G. MILTON LINTHICUM, A.M., M.D., Professor of Diseases of Rectum and Colon
J. DAWSON REEDER, M.D.....Associate in Diseases of Rectum and Colon
ERNEST G. MARR, M.D.....Instructor in Diseases of Rectum and Colon

FOURTH YEAR. This course is for instruction in diseases of the Colon, Sigmoid Flexure, Rectum, and Anus.

One lecture a week throughout the year will be given in the Clinical Amphitheater of the University Hospital. The lectures will cover the essential features of the Anatomy, and Physiology of the large intestine; as well as the various diseases to which it is subject. The importance of diseased conditions and malpositions of the intestines, in relations to systemic disturbances, will be emphasized by demonstrations.

In small groups, the students will be taken into the amphitheater, wards and dispensaries of the University Hospital and the Maryland General Hospital, where different phases of the various diseases will be taught by direct observation and examination. The use of the proctoscope and sigmoidoscope in examination of the rectum and sigmoid will be made familiar to each student.

A course in Proctoscopy will be given in the City Hospitals at Bay View, where abundance of material is always obtainable.

The methods of treatment used in the office will be shown by treatment in the dispensary. Major and radical operative treatment will be given in the operating rooms in such manner that the student can be a part of it.

DEPARTMENT OF MEDICINE.

David Streett, A.M., M.D.....Professor of Practice of Medicine
Charles W. Mitchell, A.M., M.D.....Professor of Clinical Medicine
Gordon Wilson, M.D.....Professor of Principles of Medicine
Ernest Zueblin, M.D.....Professor of Experimental and Clinical Medicine
Harry Adler, A.B., M.D.....Professor of Clinical Medicine
J. M. Craighill, M.D.....Professor of Clinical Medicine
Jos. E. Gichner, M.D.....Professor of Clinical Medicine
Charles W. McElfresh, M.D.....Professor of Clinical Medicine
G. Carroll Lockard, M.D.
Professor of Clinical Medicine and Director of Clinic
E. B. Freeman, B.Sc., M.D.....Associate Professor of Clinical Medicine
Thomas W. Keown, A.B., M.D.....Associate Professor of Clinical Medicine
W. I. Messick, M.D.....Associate Professor of Clinical Medicine
William H. Smith, M.D.....Associate in Clinical Medicine
J. S. Fischer, A.B., M.D.....Associate in Clinical Medicine
R. C. Metzel, M.D.....Associate in Clinical Medicine
H. D. McCarty, M.D.....Associate in Clinical Medicine
Wilbur P. Stubbs, M.D.....Associate in Clinical Medicine
G. M. Settle, A.B., M.D.....Associate in Clinical Medicine
J. E. O'Neill, M.D.....Associate in Clinical Medicine
G. S. M. Kieffer, M.D.....Demonstrator of Medicine
J. F. O'Mara, M.D.....Demonstrator of Medicine
J. E. Brumback, M.D.....Assistant in Medicine
Isadore Hirschman, M.D.....Assistant in Medicine
Charles Rauschenbach, M.D.....Assistant in Medicine

Second Year. Didactic lectures and practical demonstrations in medical topography and the physical conditions in health, preparatory to the course in physical diagnosis in the third year. Two and one-half hours each week during the second semester.

Third Year. Didactic lectures and recitations on the principles of medicine, three hours a week throughout the session. Professor Wilson.

Applied Therapeutics. Lectures and conferences; two hours a week to entire class throughout the session.

This course is supplementary to the lectures on the principles of medicine, and an effort is made to familiarize the student with the practical treatment of disease. Associate Professor Messick.

Clinical Medicine. Conference and recitations; one hour each week to entire class throughout the session. This course is supplementary to the lectures on the principles of medicine. Dr. John E. O'Neill.

Clinical conference; one hour each week throughout the session to the entire class. Professor Mitchell.

Physical Diagnosis. The class is divided into small groups, and each section receives instruction each week for the entire session in the medical dispensaries of the University and Maryland General Hospitals. During the second semester, the students under the supervision of the instructors in medicine examine and treat patients in the medical dispensary.

The class is divided into small groups and in the afternoons during one semester these groups are sent to the City Hospitals at Bay View and Maryland General Hospital for further instruction in history taking and physical diagnosis, one hour each week.

FOURTH YEAR. Lectures, recitations and clinics, two hours a week to the entire class. Professors Streett and Wilson.

Pathological-clinical conference, one hour a week to entire class. Professors Adler and Stokes.

Clinical conference, one hour a week to entire class. Professor Lockard.

The class is divided into sections for medical ward class instruction three hours each week throughut the session. Professors Streett, Adler, Craighill, Gichner, McElfresh and Lockard.

Clinical Clerk Service. Each man is required to study carefully a number of cases during the course for presentation at the medical ward classes and clinics. This includes a written history and physical examination and examination of urine, blood, stomach contents and faeces. Professors Streett and Lockard.

Dispensary Instruction. The medical dispensary is open daily from 12 to 1 p.m., and the class is divided into small groups for practical instruction in the diagnosis and treatment of medical ailments. The dispensaries at the University and at the Maryland General Hospitals are available for this work.

DISEASES OF CHILDREN.

CHARLES W. MITCHELL, A.M., M.D.....Professor of Pediatrics
CHARLES O'DONOVAN, A.M., M.D., LL.D.....Professor of Clinical Pediatrics
JOSE L. HIRSH, A.B., M.D.....Professor of Clinical Pediatrics
G. CARROLL LOCKARD, M.D.....Associate Professor of Pediatrics
J. SOMERVILLE FISCHER, A.B., M.D.....Associate in Pediatrics
J. E. POULTON, M.D.....Associate in Pediatrics
JOHN A. FENBY, M.D.....Assistant in Pediatrics

FOURTH YEAR. Lectures and recitations two hours each week to entire class. Professors Mitchell, O'Donovan and Hirsh.

Clinical conference, one hour each week at University Hospital. Professor Mitchell.

The class is divided into groups and receives clinical instruction at the Maryland General Hospital and St. Vincent's Infant Asylum, three groups each week. Professor O'Donovan and assistants.

Dipensary instruction daily at the University Hospital. Prof. Hirsh, Dr. Douglas and Dr. Rauschenbach.

THERAPEUTICS.

Joseph E. Gichner, M.D.....Professor of Physical Therapeutics
Wm. I. Messick, M.D.....Associate Professor of Therapeutics

Third Year. *Applied Therapeutics.* Lectures and conferences. Two hours a week to entire class throughout the session.

This course is supplementary to the lectures on the Principles of Medicine, and an effort is made to familiarize the student with the practical treatment of disease. Associate Professor Messick.

Physical Therapeutics. This course consists of weekly lectures and demonstrations on hydrotherapy, thermotherapy, massage, rest and exercise, the Weir Mitchell Treatment, radiotherapy and electrotherapeutics. The basic physiologic principles and actions of the above mentioned agencies are given full consideration and study, and the practical application is observed in the hospital and clinic and in visits to various institutions having well equipped departments for treatment by physical means. A few lectures on suggestions are also given as the subject properly belongs to such a course. Professor Gichner.

Fourth Year. *Applied Therapeutics.* During this year instruction in the treatment of diseased conditions by remedial agents forms a large part of the teaching of medicine and the medical specialties.

DISEASES OF THE STOMACH AND INTESTINES AND OF METABOLISM

John C. Hemmeter, M.D., Ph.D., Sc.D., LL.D., Professor of Clinical Medicine
A. H. Carroll, M.D.....Associate in Gastro-Enterology
J. Harry Ulrich, M.D.....Instructor in Gastro-Enterology

This course consists of an out patient department or polyclinic in which the students of the graduating class are assigned weekly upon cases which they are directed to study and examine thoroughly and to report in person to the principal clinic once a week.

All physical, chemical and microscopic work is done by the student himself and the report is read, with the presentation of the patient, which is followed by a conference with the director of the clinic. Many of these reports were of such merit that they were published in the *Hospital Bulletin*, and they are made to figure in forming the general average of the student.

In addition to the ordinary diseases of the gastro-intestinal tract, this course embraces diseases of the soft tissues of the mouth and of the esophagus; gastroscopy; esophagoscopy and duodenal intubation.

NEUROLOGY.

Irving J. Spear, M.D.....Professor in Neurology
G. M. Settle, A.B., M.D.....Associate in Neurology
Milton P. Hill, M.D.....Instructor in Neurology
Benjamin Pushkin, M.D.....Assistant in Neurology
A. L. Fehsenfeld, M.D.....Assistant in Neurology
Harry A. Bishop, M.D.....Assistant in Neurology

Third Year. Lectures and recitations; one hour each week to entire class throughout the year. This course comprises the study of the anatomy and physiology of the nervous system, the methods of neurological examination and relationship of signs and symptoms to pathological conditions. The material at the University, Maryland General and City Hospitals is available.

Fourth Year. Clinical lectures and recitations; one hour each week throughout the entire session.

Clinical Conference, one hour each week to the entire class. This subject is taught at the University, Maryland General and City Hospitals at Bay View. All cases presented at these clinics are carefully examined; complete written records are made by the students who demonstrate the case before the class. These cases are usually assigned one or two weeks before they are presented, and each student in the class must prepare one or more cases during the year.

Ward Class Instruction. In small sections, two hours each week during entire year at the University and Maryland General Hospitals. In these classes the students come in close personal contact with the cases in the wards under the supervision of the instructors.

Dispensary Instruction. Small sections are instructed in the dispensary, four afternoons each week, in this way students are brought in contact with nervous diseases in their earlier as well as later manifestations.

Electro Therapeutics. Instruction in the uses of the various types of electrical apparatus is given by lectures and demonstrations in the clinics, ward classes and out patient department.

CLINICAL PATHOLOGY.

E. L. Whitney M.D.....Associate Professor of Clinical Pathology
H. J. Maldeis, M.D.....Associate in Clinical Pathology
H. U. Todd, M.D.....Demonstrator of Clinical Pathology
H. Boyd Wylie, M.D.....Demonstrator in Clinical Pathology
Leo Karlinsky, M.D.....Assistant in Clinical Pathology

This is a practical laboratory course, with a portion of the time devoted to lectures. Eleven hours each week for one semester.

The practical application of chemistry, physical chemistry, physiology and microscopy to the diagnosis and study of disease is taught. Each student is required to make examinations of stomach contents, faeces, blood, urine, sputum, and exudates and transudates. Especial effort is made to show the relation of laboratory findings to the history and course of the disease as observed in clinical work. Haematology is taken up and haematological technique taught. Parasitology and its bearing on clinical medicine is considered. Serum changes in disease and immunity are also carefully outlined.

TUBERCULOSIS OF THE LUNGS.

Gordon Wilson, M.D.....Professor of Principles of Medicine
John E. O'Neill, M.D.....Chief of Clinic

A practical course is given in the Dispensary and at the Municipal Tuberculosis Hospital to small groups in the diagnosis and treatment of pulmonary tuberculosis. The abundance of the material, both in incipient and advanced cases, makes this course of value in the practical recognition of the physical signs of the disease.

MENTAL DISEASES.

Charles G. Hill, A.M., M.D.....Professor of Psychiatry
J. Clement Clark, M.D.....Associate Professor of Psychiatry
J. Percy Wade, M.D.....Associate in Psychiatry
Frank W. Keating, M.D.....Lecturer on Psycho-Asthenics
W. P. E. Wyse, M.D.....Lecturer on Psychiatry

Fourth Year. This course includes clinical lectures at the City Detention Hospital, Spring Grove Asylum, Springfield State Hospital, Mt. Hope Retreat and the Maryland Training School for the Feeble Minded.

STATE MEDICINE.

JOHN S. FULTON, A.B., M.D.....Professor of State Medicine

FOURTH YEAR. Lectures and demonstrations; one hour each week to the entire class throughout the session.

The course in state medicine begins with a study of structure and function of the social organism, as revealed by the numerical analysis of population, births, deaths, sickness and migration. Elementary instruction and practice are given in vital statistics; in medical notification, registration and certification; and in the laws and ordinances concerning public health. The specific hygiene of the preventable diseases is next taken up, such choice being made as will familiarize the student with the epidemiology of the more important communicable diseases, and with the main instruments of prevention; notification, inspection, segregation, isolation, immunization and disinfection. The course is planned from the viewpoint of official practice in public hygiene.

TROPICAL MEDICINE.

JAMES A. NYDEGGER, A.M., M.D., Sc.D., Surgeon U.S.P.H. Service, Professor of Tropical Medicine

A course of lectures on tropical diseases to the Senior class was instituted in January, 1913, and continued during the remainder of the scholastic year. Eminent authorities on various subjects of this important branch of medicine delivered lectures during the course, and will continue to deliver lectures during the coming year; one hour each week to the Senior class.

This addition to the curriculum has been made because of the increasing importance of Tropical Diseases; because of the large number of students from southern states attending the school, and because a large number of graduates of this school enter the U. S. Public Health Service and the Army and Navy Medical Corps, and many find employment as civil practitioners in tropical and subtropical countries.

The course includes a thorough and comprehensive discussion of the history, etiology, pathology, morbid anatomy, differential diagnosis, treatment and prophylaxis (with lantern slide illustrations) of the more important tropical diseases, such as amebic and bacillary dysentery, Asiatic cholera, plague, yellow fever, trypanosomiasis (sleeping sickness) filariasis, piroplasmosis, beri beri, dengue, pellagra, leprosy, hook-worm, bilharzia, rocky mountain or tick fever, sprue,

spirochætosis, etc., and a study of the various parasites affecting both man and animals.

Clinical lectures, presentation of cases, exhibition of specimens and practical methods of demonstrating the protozoa and parasites causing tropical diseases will also be given.

DEPARTMENT OF OBSTETRICS.

L. E. Neale, A.M., M.D., LL.D.....Professor of Obstetrics
J. M. H. Rowland, M.D.....Professor of Clinical Obstetrics
J. K. B. E. Seegar, M.D.....Associate in Obstetrics
H. S. Gorsuch, M.D.....Instructor in Obstetrics
H. M. Freeman, M.D.....Chief of Out-patient Department

Third Year. Lectures and recitations two hours each week by Professors Neale and Rowland to entire class.

Special obstetric and gynaecologic pathology, two hours each week by Professor Hirsh and H. J. Maldeis to class sections in the Pathologic laboratory.

Obstetric diagnosis (clinical) three hours each week at University of Maryland Hospital by Professor Neale and three hours each week at Maryland Lying-In Hospital by Professor Rowland to class sections.

At the end of this year there will be a written examination covering the subject as taught which will count one-half of the final grade in Obstetrics.

Fourth Year. Lectures and recitations two hours each week to the entire class. Professors Neale and Rowland.

Operative obstetrics (manikin work) one hour each week by Professor Neale and assistants to class sections.

Students are required to attend obstetric cases before, during and after confinement both in the University Hospital and the Maryland Lying-In Hospital as well as the out patient department associated with both hospitals and each student will be required to conduct and make accurate records of at least ten confinement cases seen under the personal supervision of one of the physicians connected with this department.

Throughout this year recitations, operative work and clinical work will total the remaining half of the final grade.

There are over 2000 obstetric cases annually available for teaching purposes and the student is afforded opportunities for instruction in this most important branch of medical science which are equalled by very few other schools in this country.

There are ample accommodations in both hospitals for public and private patients.

DEPARTMENT OF DISEASES OF WOMEN.

Thos. A. Ashby, M.D., LL.D.....Professor of Diseases of Women
W. B. Perry, M.D.....Professor of Clinical Gynecology
J. Mason Hundley, M.D.....Professor of Clinical Gynecology
Hugh Brent, M.D.....Associate Professor of Gynecology
E. H. Hayward, M.D.....Associate in Gynecology
R. G. Willse, M.D.....Demonstrator of Gynecology
W. K. White, M.D.....Instructor in Gynecology
R. L. Mitchell, M.D.....Instructor in Gynecology
S. H. Streett, S.B., M.D.....Instructor in Gynecology
J. M. Fenton, M.D.....Assistant in Gynecology
Maurice Lazenby, A.B., M.D.....Assistant in Gynecology
L. H. Douglas, M.D.....Assistant in Gynecology

Third Year. Lectures, one hour each week throughout the course, thirty-two hours. Professor Ashby.

The class is divided into sections for recitations and conferences one hour each week. Drs. Brent, Hayward, Willse, Mitchell, Streett, and Fenton.

The class is divided into sections and receives instructions one hour weekly in diagnosis and gynaecological operations at the University Hospital. Professor Hundley.

Sections in diagnosis and gynaecological operations two hours each week in the City Hospitals at Bay View. Dr. Brent.

Sections in diagnosis and gynaecological operations one hour each week at the Maryland General Hospital. Professor Perry.

Fourth Year. Operative Gynaecology two hours each week to the entire class. Professors Ashby, Perry and Hundley.

Dispensary Instruction. The class is divided into small groups and receives instruction daily in the out patient departments of the University and Maryland General Hospitals.

CLINICAL INSTRUCTION.

COLLEGE OF PHYSICIANS AND SURGEONS.

DEPARTMENT OF MEDICINE.

Wm. F. Lockwood, M.D.
Cary B. Gamble, M.D.
John Ruhrah, M.D.
Frank Dyer Sanger, M D.
H. C. Knapp, M.D.
Andrew C. Gillis, M.D.
Edware N. Brush, M.D.
T. Fredk. Leitz, M.D.
C. E. Simon, M.D.
Julius Friedenwald, M.D.
Standish McCleary, M.D.
Harvey G. Beck, M.D.
W. T. Watson, M.D.
L. J. Rosenthal, M.D.
C. Hampson Jones, M.D.
Edgar B. Friedenwald, M.D.
C. W. W. Judd, M.D.

COURSES.

Recitations in General Medicine: Two hours weekly to Third year class. Drs. McCleary, Beck, Judd and Knapp.

Lecture and Recitation, Medical Therapeutics: Weekly to Third year class. Dr. Watson.

Physical and Medical Diagnosis: Practical instruction to small sections Third year class, two hours daily for ten weeks. Drs. Rosenthal and Judd.

General Medicine and Medical Diagnosis: To section of Third year class, two hours three times a week for ten weeks. Drs. Lockwood, Gamble and Mayer.

Recitations in General Medicine: Two hours weekly to Fourth year class. Drs. Lockwood and Gamble.

Clinical Lecture on General Medicine: One hour weekly for Fourth year class. Dr. Lockwood.

Clinical Lecture on Special Diseases: One hour weekly to Fourth year class—(heart, kidneys, liver, etc.). Drs. Gamble and Rosenthal.

Clinical and Pathological Conferences: One hour weekly to Fourth year class. Drs. Lockwood and Stokes.

Ward Work: Eleven hours weekly for ten weeks. Sections of Fourth year class. Drs. McCleary, Beck, Judd and Knapp.

Section Work: In the Third year two hours daily in small sections in the Medical Dispensary, ten weeks. Drs. Rosenthal, and Judd.

In the Fourth year members of Medical Section are assigned to cases in wards. They write histories, make physical and laboratory examination.

Clinical Pathology. (Including Laboratory Diagnosis, Blood, Urine, Sputum, etc.) Six hours weekly for ten weeks to sections of Third year class. Drs. Simon, White, Judd and Lewis.

Clinical Pathology. (Including advanced Laboratory Work, Blood Cultures, Wasserman reaction, etc.) Four hours weekly to section of the Fourth year class. Drs. Simon, White, Judd and Lewis.

Experimental Medicine: One hour weekly, ten weeks to Fourth year class. Dr. Simon.

Pediatrics: Lecture-recitation one hour weekly to Third year class. Dr. Ruhräh.

Pediatrics: Recitation-clinic two hours weekly for ten weeks to sections of Fourth year class. Dr. E. B. Friedenwald.

Gastro-Enterology: Recitation-clinic one hour weekly to Third year class. Dr. J. Friedenwald.

Gastro-Enterology: Clinics two hours weekly for ten weeks to sections of Fourth year class. Drs. J. Friedenwald and Leitz.

Psychiatry: One hour weekly after January 1st. Dr. Brush.

Neurology and Psychiatry: Lecture-recitation one hour weekly to Third year class. Dr. Gillis.

Neurology and Psychiatry: Clinic-recitation two hours weekly for ten weeks to sections of the Fourth year class. Drs. Gillis and Sargent.

Psychiatry: Clinics at Sheppard-Pratt Hospital and Bay View. Two hours weekly, October to January. Drs. Brush, Gillis and Sargent.

Hygiene and Public Health: Weekly to Third year class. Dr. Jones.

DEPARTMENT OF SURGERY.

J. W. Chambers, M.D.
C. F. Blake M D.
Albertus Cotton, M.D.
Alfred Ullman, M.D.
Harvey B. Stone, M.D.
A. G. Rytina, M.D.
A. C. Harrison, M.D.
Alexius McGlannan, M.D.
Walter D. Wise, M.D.
Thomas R. Chalmers, M.D.
E. H. Hutchins, M.D.
R. W. Locher, M.D.
Wm. W. Requardt, M.D.

Third Year

Systematic courses, including lectures and recitations, will be given as follows:

1. Operative surgery. A laboratory course in which actual operative procedures and techniques are demonstrated. 90 hours.
2. Traumatic and minor surgery. Including fractures, dislocations, burns, etc. 30 hours.
3. Technique. Including operative technique, preparation and care of patients, surgical infections, inflammations, ulcer, gangrene, etc. 30 hours.
4. Dispensary work in sections. 20 hours.
5. Surgical clinics. 90 hours.

Fourth Year

1. A systematic course of lectures and recitations on general and special surgical subjects. 60 hours.
2. Surgical pathology. Laboratory. 60 hours. Lectures and demonstrations. 30 hours.
3. Surgical clinics in which practical asepsis and operative technique are exemplified. 120 hours.
4. Ward work in which students are assigned to cases, examinations and diagnoses are made, histories written, and the course of the disease observed. 40 hours.
5. Ward instruction and quizzing. 50 hours.
6. Rectal surgery. Lectures and clinics. 30 hours.
7. Genito-urinary surgery. Lectures and clinics. 30 hours.
8. Orthopedic surgery. Lectures and clinics. 30 hours.

OPHTHALMOLOGY AND OTOLOGY.

HARRY FRIEDENWALD, M.D. H. K. FLECKENSTEIN, M.D.
JOS. I. KEMLER, M.D.

Practical Course in the Use of Ophthalmoscope: And methods of examination of eye and ear. Once weekly for ten weeks to sections of Third year class. Dr. Fleckenstein.

Systematic and Clinical Course: In disease of the eye and ear. Twice weekly to entire class throughout the Fourth year. This course is taken up with view to meet the needs of the general practitioner. Dr. Harry Friedenwald.

Clinical Course: To small sections. Each section meeting twice weekly for ten weeks in Dispensary. Dr. Kemler.

RHINOLOGY AND LARYNGOLOGY.

Frank Dyer Sanger, M.D. George W. Mitchell, M.D.

Systematic Course: To Third year class. Once weekly from January first to end of session. Dr. Sanger.

Clinical and Operative Course: To sections of the Fourth year class. Once weekly for ten weeks. Dr. Sanger.

Clinical and Operative Course: To small sections of the Fourth year class in the dispensary. Twice weekly for ten weeks. Dr. Mitchell.

DERMATOLOGY.

Dr. Melvin Rosenthal.

Systematic Course: Including clinical demonstrations Once weekly throughout the Fourth year. Dr. Melvin Rosenthal.

Clinical Course: Small sections of Fourth year class meet in Dispensary. Dr. Melvin Rosenthal.

DEPARTMENT OF OBSTETRICS.

Geo. W. Dobbin, M.D. Emil Novak, M.D.
Chas. E. Brack, M.D. Glenn M. Litsinger, M.D.
Maurice Lazenby, M.D. Byron W. Steele M.D.

Courses.

Obstetric Anatomy and Physiology: Lectures and demonstrations twice weekly, October to January. Third year. Dr. Dobbin.

Physiologic Obstetrics: Lectures and demonstrations twice weekly. January to May. Third year. Dr. Dobbin.

Physiologic Obstetrics: Recitation. One hour weekly, October to June. Third year. Dr. Lazenby.

Practical Obstetrics (Manikin work): Section demonstration four hours weekly. Third year. Drs. Litsinger and Steele.

Pathological Obstetrics: Lectures and demonstrations one hour weekly Fourth year, February to June. Dr. Dobbin. October to February. Dr. Brack.

Obstetric Clinic: One hour weekly, October to June (as material is available). Fourth year. Dr. Dobbin.

Obstetric Diagnosis: Practical clinical work and quizzes in obstetric ward, two hours weekly in sections. Fourth year. Dr. Brack.

Attendance Upon Cases in Labor: Attendance by members of class in hospital and out-door department (about 500 cases per year) as cases occur. Fourth year. Dr. Steele.

DEPARTMENT OF GYNECOLOGY.

William S. Gardner, M.D.
A. Samuels, M.D. Geo. A. Strauss, M.D.

Courses

Recitation: One hour weekly, Third year. Dr. Gardner.

Laboratory: Special Pathology, with study of clinical histories, four hours weekly for ten weeks, in sections, Third year. Drs. Gardner and Strauss.

Recitation: One hour weekly. Fourth year. Dr. Gardner.

Gynecological Clinic: Six hours weekly for ten weeks. Fourth year. Drs. Gardner, Samuels and Strauss.

THE UNIVERSITY HOSPITAL TRAINING SCHOOL FOR NURSES.

Mary E. Sullivan, R.N., M.U.H. 1911.
Superintendent of Training School.
Julia C. Foley, R.N., M.U.H. 1914.
Assistant Superintendent.

The University of Maryland Hospital Training School for Nurses offers a three years' course of training.

Those wishing to obtain the course of instruction must apply personally or by letter to the Superintendent of Nurses, who will furnish printed instructions respecting the personal information to be given by applicants. Letters of application should be accompanied by a statement from a clergyman testifying to good moral character and from a physician certifying to sound health and unimpaired faculties. Applicants must be between twenty-one and thirty-five years of age, of at least average height and physique, and must give satisfactory evidence of fitness in disposition and temperament for the work of nursing.

If approved, applicants are received into the school for a period of six months on probation during which time demonstration classes are held and they are given instruction in the elementary part of the training.

Classes are formed and pupils are received in the spring and autumn.

High school graduates and women of higher education are given the preference. Their superior preparation makes them better fitted for the opportunities that are opening up in the profession of nursing. Graduates of this school are eligible for Red Cross and all Government work.

The Superintendent of Nurses decides as to the fitness of probationers for the work and the propriety of retaining or dismissing them and she may at any time determine the connection of a pupil with the school in case of misconduct, inefficiency or neglect of duty.

Except under special circumstances failure to pass the examinations at the end of the first year is considered a sufficient cause for the termination of a student's connection with the school.

Students reside in the home and serve as assistants in the various departments of the Hospital for the full three years. They are expected to perform any duty assigned to them by the Superintendent of Nurses.

After the months of probation, students are required when on duty, to wear the dress prescribed by the Hospital which is blue and white striped gingham, with white apron and cap and linen collar and cuffs. Probationers are not allowed to wear this dress.

Day Nurses are on duty from 7 a.m. to 7 p.m with one hour for dinner and three hours for rest and recreation. They are given an afternoon each week and part of every Sunday. Each student is required to devote at least one hour daily to lecture, class work or study. A vacation of three weeks is allowed each year.

In sickness all students are cared for gratuitously, but the time so lost must be made up.

The course of training includes practical instruction in the nursing of medical, surgical, orthopedic, gynaecological patients, obstetrics, the nursing of children and the operating room work.

A course of lectures is given by the physicians and surgeons of the University and class instruction with demonstrations by the Superintendent of Nurses and her assistants. Examinations are held at stated periods.

When the full term of three years is ended, the nurses thus trained will be at liberty to choose their own fields of labor, whether in hospitals, in private families, or in the various branches of social work which offer such tremendous opportunities for the woman of abilty. A diploma is given upon completion of course of training.

In addition to board, lodging and a reasonable amount of laundry work, each student receives an allowance of $5.00 per month to defray the expenses of uniforms, text-books, etc., incidental to her training.

Florence Matilda Skinner.....Maryland
Betty Eliza White.....Maryland
Florence Viola Meredith.....Maryland
Lelia Irene Shields.....North Carolina
Norma Irene Frothingham.....Maryland
Nettie Mabel Bay.....Maryland
Emily Ruth Conner.....Maryland
Alfretta Myers.....Maryland
Mabel Ione Lea.....North Carolina
Ruth Cundiff Stoneham.....Virginia
Elizabeth Blanche Beazley.....Virginia
Elizabeth Nordt.....Maryland
Elva May Boor.....Pennsylvania
Lillian Kemp McDaniel.....Maryland
Bertie Susan Pinckard.....Virginia
Martha Etta Coppersmith.....Maryland
Gertrude May Dilly.....West Virginia
Corinne Loraine Bogart.....West Virginia

THE MERCY HOSPITAL TRAINING SCHOOL FOR NURSES.

The Mercy Hospital Training School for Nurses, conducted by the Sisters of Mercy and connected with the College of Physicians and Surgeons, was organized and incorporated under the general laws of the State of Maryland in 1899. Its first students were graduated in 1901; and on the passage of the bill for registration in 1904, the Sisters of Mercy, connected with the Hospital service, received certificates as registered nurses.

The Training School was affiliated with the Board of Regents of the State of New York in 1906; and, in the same year, the Alumnae Association was incorporated, having been previously connected with the Associated Alumnae of the United States. The graduates, as active members, have been much interested in the movements of the Maryland Association of Graduate Nurses, to whom they have given every encouragement to uplift the profession in its many works of district nursing, tuberculosis campaign, Red Cross movements, etc.

The course of training comprises three years of theory and practice. The clinical advantages are exceptional. The medical, surgical, orthopedic, gynecological, obstetrical, children's and dietetic departments give valuable practical experience. The nurses are taught the theory of nursing by class recitations and demonstrations by efficient Sister instructors. Supplementing this training is a course of lectures from the ablest professors of the College of Physi-

cians and Surgeons, who are untiring in their efforts to keep the School abreast with modern scientific developments.

The requirements for entrance are; highest moral standing, intelligence, good education and health. The age limit is twenty to thirty-five years.

After a three months' probation, candidates, if they possess the necessary qualifications, are admitted to the Training School proper, receiving five dollars a month wherewith to secure uniforms, text books, etc., the education they receive being considered their compensation. The right is reserved to dismiss pupils for any cause which may be deemed sufficient by the Sister Superior or Superintendent.

The Training School, now far advanced in its second decade, can look back with complacency on the work achieved by its graduates; and encouraged by that glance and gladdened by the prospect of future good to be accomplished, it hopes to keep its way upward and onward, ever striving in its mission of mercy for the Master's smile of approval and His whispered word "Well Done."

GRADUATES OF 1915

ELIZABETH ANN MCCONVILLE	*Ohio*
MARY FLORENCE CONNELLY	*Maryland*
LILLIAN J. GELWICKS	*Maryland*
EUGENIA LEE HALL	*Maryland*
AGNES KATHERINE BURNS	*Ireland*
ANNA MARIA HALL	*Maryland*
CARRIE ESTELLE BECK	*Pennsylvania*
WINIFRED MOORE	*West Virginia*
ELIZABETH ANN RIGGLEMAN	*West Virginia*
ADA CARTER TRAINER	*Pennsylvania*
FRANCES LOUISE JENNINGS	*Maryland*
FLORENCE MARIE DOYLE	*Maryland*
NELL ANNITA KALBAUGH	*Maryland*
EDITH AGNES LAMBIE	*Maryland*
JULIA ELEANOR RYAN	*West Virginia*
CLARA ELIZABETH CONNERY	*Maryland*
MATTIE DEW	*Georgia*
LUCY MURTHA	*Pennsylvania*
AGNES MCCLOSKEY	*New York*

ENDOWMENT FUND.

The following, all Alumni of the University, constitute the Board of Trustees of this Fund:

HON. HENRY STOCKBRIDGE, LL.D.
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JOHN B. THOMAS, PH. G.
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This Board is incorporated by act of the Legislature of the State, its legal title being "The Trustees of the Endowment Fund of the University of Maryland," and is independent and self-perpetuating, filling itself any vacancies. Its powers are limited *to the expenditure of the interest derived from the fund*, which is to be applied in the discretion of the Board for the benefit of the University. Contributions, donations and bequests are solicited from Alumni and friends. They may be made to the general or University Fund, to the Medical Fund or to any other department of the University. If intended for the School of Medicine, they may be given to the general medical fund or to some special object, as building, research, library, pathology, hospital, publication, laboratories, gymnasium, scholarship, medal, prize, etc., in which case the wishes of the donor will be strictly regarded. Attention is invited to the "Charles Frick Research Fund," already established in memory of that distinguished investigator. Checks should be made payable to Charles Markell, Treasurer, 1137 Calvert Building, Baltimore, Md.

FORMS OF DEVISE OR BEQUEST.

To School of Medicine.

I give, devise and bequeath to the Regents of the University of Maryland, a corporation incorporated under the laws of the State of Maryland, for the benefit of the Faculty of Physic.....

(Here state amount or describe property.)

To Endowment Fund.

I give, devise and bequeath to the Trustees of the Endowment Fund of the University of Maryland, a corporation incorporated under the laws of the State of Maryland, for the benefit of the Faculty of Physic.....

(Here state amount or describe property.)

ALUMNI ASSOCIATION.

UNIVERSITY OF MARYLAND MEDICAL DEPARTMENT.

All alumni in good standing are eligible to membership.

The membership fee is $1.00 per annum, payable in March.

The annual meetings are held on or about Commencement Day, and an orator will be selected to deliver an address upon these occasions.

The Banquet, which follows the delivery of the oration, is a reunion of old classmates, to which members who have paid their dues in full and candidates who have paid their initiation fee are admitted without extra charge.

The following are the officers for the current year:

President—Dr. Albert Hynson Carroll
Vice President—Dr. Wigand, Dr. Carroll Lockard, Dr. Clement Clark
Corresponding Secretary—Dr. Pennington
Recording Secretary—Dr. H. O. Reik
Treasurer—Dr. John Houff

Executive Committee

Dr. G. Lane Taneyhill, Dr. B. Merrill Hopkinson, Dr. C. R. Winterson
Dr. A. D. Machoniche. Dr. Irving Spear

Necrology, Dr. Joseph T. Smith

Central Membership Committee

Drs. Albert H. Carroll (Chairman), G. Lane Taneyhill, Guy Steel, John Houff, I. Stone Worthington, Marshall West, J. C. Travers

Application for membership should be accompanied with *Initiation Fee of* $1.00 and mailed to the *Corresponding Secretary or Treasurer.*

GENERAL ALUMNI ASSOCIATION.

The following are the officers for the current year:

Eugene W. Hodson, President, Care of Thomas & Thompson Co.
E. J. W. Revell, Vice-President, 919 Fidelity Bldg.
Wm. K. Stichel, Treasurer, Care of Thomas & Thompson Co.
Dr. Albert H. Carroll, Recording Secretary, Walpert Apartments.
Edward P. Crummer, Corresponding Secretary, 217 St. Paul Street.

ALUMNI ASSOCIATION, COLLEGE OF PHYSICIANS AND SURGEONS.

President
Samuel H. Allen, M.D.
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Second Vice-President
W. C. Stifler, M.D.
Secretary
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Treasurer
Charles E. Brack, M.D.
Executive Committee
Hubert C. Knapp, M.D.
Alexius McGlannan, M.D. H. K. Fleckenstein, M.D.

YOUNG MEN'S CHRISTIAN ASSOCIATION

OF THE

UNIVERSITY OF MARYLAND.

C. S. PEELER, *President.*

This Association since its establishment, eighteen years ago, has steadily grown in numbers and influence and has met a need of College life.

All students of any Department of the University are eligible to membership as actives or associates, which membership includes special privileges in the City Association.

The Association now occupies comfortable rooms in one of the buildings of the University.

Bible and Mission Classes are maintained by the Association throughout the College year, and every effort is exerted to promote Christian character and morality.

A committee of members will be on hand at the opening of the session to welcome new students to the University, and will also be glad to render assistance in the way of securing comfortable rooms, boarding houses, etc., and to extend any other courtesies possible.

All young men who intend to enter the University are cordially invited to share in the privileges of the Association, and to address the officer named below, who will be glad to furnish any information desired regarding the Association and its work, and to render any assistance in his power, and upon arriving in the city are requested to make themselves known as soon as possible.

C. S. PEELER, *President.*
University of Maryland, Baltimore, Md.

UNIVERSITY OF MARYLAND.

DEPARTMENT OF ARTS AND SCIENCES.

St. John's College, Annapolis, Md.

FACULTY.

THOMAS FELL, A.M., Ph.D., LL.D., D.C.L., President, Professor of Moral Science.
JOHN BROCKAWAY RIPPERE, A.M. (Graduate of Wesleyan University), Vice-President, Professor of Latin.
JOHN B. WHITE, A.M. (Graduate of Geneva College), Professor of Greek and Latin.
BENJAMIN HARRISON WADDELL, A.M. (Graduate of Washington and Lee University), Professor of Mathematics.
ADOLF SCHUMACHER, Ph.D. (Graduate of Göttingen and University of Pennsylvania), Professor of French and German.
REGINALD H. RIDGELY, B.S., A.M. (Graduate of St. John's College). Professor of Biology.
JOHN CLIFFORD GRAY, A.B., A.M. (Graduate of Harvard University), Professor of Chemistry and Physics.
CHAUNCEY ST. C. MCNEILL. U.S.A. (Lieutenant of the United States Army), Professor of Military Science and Tactics and Lecturer on International and Constitutional Law.
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HENRY FRANCIS STURDY, A.B., A.M., (Graduate of St. John's College), Professor of History and Political Economy.
HARVEY C. MITTENDORF, A.M., (Graduate U. S. Naval Academy), Professor of Mechanical Drawing and Assistant Professor of Physics.
THOMAS L. GLADDEN, Superintendent of the Preparatory School and Instructor in English and Latin.
ROSCOE E. GROVE, A.B. (Graduate of St. John's College).
SARAH BERRY, Registrar and Secretary for the President.

DEPARTMENT OF DENTISTRY.

The Regular Winter Season begins on October 1 of each year, and continues until the following May.

The requirements for admission are the same as in all other reputable dental colleges.

FACULTY.

J. HOLMES SMITH, M.D., Professor of Anatomy.
JOHN C. HEMMETER, M.D., Ph.D., LL.D., Professor of Physiology.
TIMOTHY O. HEATWOLE, M.D., D.D.S., Professor of Dental Materia Medica and Therapeutics.
ISAAC H. DAVIS, M.D., D.D.S., Professor of Operative and Clinical Dentistry.
J. WILLIAM SMITH, D.D.S., Professor of Dental Prosthesis.
ELMER E. CRUZEN, D.D.S., Professor of Crown and Bridge Work and Ceramics.
B. MERRILL HOPKINSON, A.M., M.D., D.D.S., Professor of Oral Hygiene and Dental History.
ELDRIDGE BASKIN, M.D., D.D.S., Associate Professor of Clinical Dentistry and Orthodontia.
J. W. HOLLAND, M.D., Associate Professor of Anatomy.
L. WHITING FARINHOLT, D.D.S., Demonstrator of Crown-Bridge, Porcelain and Inlay Work.
CLYDE V. MATTHEWS, D.D.S., Instructor of Histology and Dental Anatomy.
ROBERT P. BAY, M.D., Instructor in Oral Surgery.
ROBERT L. MITCHELL, M.D., Instructor of Bacteriology and Pathology.
E. FRANK KELLY, Ph.G., Director of Chemical Laboratory.
FRANCIS J. VALENTINE, A.M., D.D.S., Director of Dental Infirmary.

For information and annual catalogue address T. O. Heatwole, M.D., D.D.S., Dean Baltimore, Md.

DEPARTMENT OF LAW.

FORTY-SIXTH ANNUAL SESSION.

THE BOARD OF INSTRUCTION.

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For catalogue containing full information, address, EDWIN T. DICKERSON, Secretary and Treasurer of Law Faculty, 301 St. Paul St., Baltimore, Md.

DEPARTMENT OF PHARMACY.

MARYLAND COLLEGE OF PHARMACY, 1841-1904.
THE SEVENTY-SECOND ANNUAL SESSION.

FACULTY.

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COLLEGE OF PHYSICIANS AND SURGEONS

UNIVERSITY OF MARYLAND—GENERAL VIEW

VOL. I JULY, 1916 NO. 2

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OF

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AND

COLLEGE OF PHYSICIANS AND SURGEONS

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SESSION 1916-1917

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BULLETIN

OF THE

UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE

AND

COLLEGE OF PHYSICIANS AND SURGEONS

Successor to THE HOSPITAL BULLETIN, of the University of Maryland, BALTIMORE MEDICAL COLLEGE NEWS, and the JOURNAL of the Alumni Association of the College of Physicians and Surgeons

VOL. I JULY, 1916 No. 2

ANNUAL ANNOUNCEMENT SESSION 1916-1917

CALENDAR.

1916–17

June 1 to September 30.—Daily Clinics at University, Mercy, and Maryland General Hospitals.

September 25.—Examination of Conditioned Students and Examination for Advanced Standing.

October 2.—Regular Session begins.

November 29.—Thanksgiving Recess begins. 6 p.m.

December 4.—Thanksgiving Recess ends. 9 a.m.

December 22.—Christmas Recess begins. 6 p.m.

January 3.—Christmas Recess ends. 9 a.m.

April 5.—Easter Recess begins. 6 p.m.

April 10.—Easter Recess ends. 9 a.m.

June 4.—Commencement.

DEPARTMENTS

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THE UNIVERSITY is represented by five departments each having a distinct Faculty of Instruction.

1st. The College of Liberal Arts at Annapolis Md. St. John's College, Annapolis, Md., founded in 1696, has by affiliation become the Department of Arts and Sciences. The curriculum leads to the degree of Bachelor of Arts or Science.

2d. The School of Medicine in Baltimore, Md. The University of Maryland was established in Baltimore in 1807; The College of Physicians and Surgeons was established in Baltimore in 1872. The consolidated school offers a high grade course in medicine extending over a period of four years, and leading to the degree of Doctor of Medicine.

3d. The School of Law in Baltimore, Md. This school, founded in 1812 and reorganized in 1869, is designed by means of a course of study covering three years to qualify its students for the degree of Bachelor of Laws and for an intelligent practice of the Law.

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B. J. FERRY, M.D.
R. H. FOLK, A.B., M.D.

Resident Gynecologist.

C. S. LONG, M.D.

Maternity Department.

J. J. WAFF, *Chief Resident Obstetrician.*
W. T. FERNEYHOUGH, M.D.
T. L. BRAY, M.D.

Pathologist.

J. T. LUTZ, A.B., M.D.

MERCY HOSPITAL STAFF.

SURGICAL DIVISION.

Surgeons.

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ARCHIBALD C. HARRISON, M.D.
ALEXIUS MCGLANNAN, M.D.

Associate Surgeons.

HARVEY B. STONE, M.D.
ELLIOTT H. HUTCHINS, M.D.
ALFRED ULMAN, M.D.
WILLIAM W. REQUARDT, M.D.
WALTER D. WISE, M.D.
THOS. R. CHAMBERS, M.D.

Ophthalmologist and Otologist.

HARRY FRIEDENWALD, M.D.

Rhinologist and Laryngologist.

FRANK D. SANGER, M.D.

Associate Rhinologist and Laryngologist.

GEORGE W. MITCHELL, M.D.

Proctologist.

C. F. BLAKE, M.D.

Orthopedic Surgeon.

ALBERTUS COTTON, M.D.

Urologist.

A. G. RYTINA, M.D.

MEDICAL DIVISION.

Physicians.

WILLIAM F. LOCKWOOD, M.D. CARY B. GAMBLE, JR., M.D.
STANDISH MCCLEARY, M.D.

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HARVEY G. BECK, M.D. HUBERT C. KNAPP, M.D.
C. C. W. JUDD, M.D. LOUIS J. ROSENTHAL, M.D.

Gastro-Enterologist.

JULIUS FRIEDENWALD, M.D.

Associate Gastro-Enterologist.

T. FREDK. LEITZ, M.D.

Pediatrists.

JOHN RUHRÄH, M.D. EDGAR B. FRIEDENWALD, M.D.

Neurologist.

ANDREW C. GILLIS, M.D.

Dermatologist.

MELVIN ROSENTHAL, M.D.

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Emil Novak, M.D.
Glenn M. Litsinger, M.D.
Maurice Lazenby, M.D.

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Gynecologist.

William S. Gardner, M.D.

Associate Gynecologists.

Abraham Samuels, M.D.
George Strauss, M.D.

PATHOLOGICAL DIVISION.

Pathologist.

William Royal Stokes, M.D.

Associate Pathologist.

Standish McCleary, M.D.

CLINICAL PATHOLOGICAL DIVISION.

Clinical Pathologist.

Charles E. Simon, M.D.

DEPARTMENT OF OTO-NEUROLOGY.

J. W. Downey, Jr., M.D.

X-RAY DEPARTMENT.

Radiographer.

ALBERTUS COTTON, M.D.

Assistant Radiographer.

HUMPHREY D. WOLFE, M.D.

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WILLIAM S. GARDNER, M.D. Secretary.
CARY B. GAMBLE, M.D.

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GEORGE MCLEAN, M.D.
ARTHUR F. PETERSON, M.D.

Resident Gynecologist.

THOMAS K. GALVIN, M.D.

Resident Obstetrician.

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W. P. E. WYSE, M.D.

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J. Frank Crouch, M.D.
Hiram Woods, A.M., M.D.

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Clyde A. Clapp, M.D.
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H. E. Peterman, M.D.

Proctologists.

G. Milton Linthicum, A.M., M.D

Associate.

Ernest G. Marr, M.D.

Radiologist.

John Evans, M.D.

Dermatologist.

E. R. Stroebel, A.B., M.D

Urologist.

W. B. Wolf, M.D.

Orthopedic Surgeon.

Sidney M. Cone, A.B., M.D.

Pathologists.

Wm. Royal Stokes, M.D., Sc.D.
H. W. Stoner, M.D.
Standish McCleary, M.D.
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Elmer Newcomer, M.D., *Medical Superintendent.*

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B. M. Jaffe, M.D.
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Compton Riely, M.D.

W. H. Daniels, M.D., *Dispensary Surgeon and Anaesthetist.*

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John R. Abercrombie, A.B., M.D.

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Howard J. Maldeis, M.D.

Attending Urologist.

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Thomas R. Brown, A.B., M.D. Llewellys F. Barker, A.B., M.D.
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Consulting Oculist.

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Oculist and Aurist.

Harry Friedenwald, M.D.

Superintendent.

Miss Elizabeth M. Stone.

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J. E. Poulton, M.D.
J. F. Powers, M.D.
Eugene H. Hayward, M.D.
J. K. B. E. Seegar, M.D.
Charles B. Wheltle, M.D.

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Frank Martin, B.S., M.D.
R. B. Warfield, M.D.
John D. Blake, M.D.
Alexius McGlannan, M.D.

Visiting Oculists and Aurists.

J. Frank Crouch, M.D.
Clyde E. Clapp, M.D.

Visiting Orthopedic Surgeons.

Sydney M. Cone, A.M., M.D.
Compton Riely, M.D.

Visiting Proctologist.

G. Milton Linthicum, A.M., M.D.

Pathologists.

Sydney M. Cone, A.M., M.D.
Alexius McGlannan, M.D.

Resident Interne.

Cornelius L. Donahue.

MARYLAND LYING-IN HOSPITAL (MATERNITÉ)

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Glenn M. Litsinger, M.D.
Charles E. Brack, M.D.

Resident Obstetrician.

Lucien A. Chaput, M.D.

MARYLAND LYING-IN HOSPITAL.

Obstetricians.

J. M. H. Rowland, M.D.
L. E. Neale, M.D.

Associates.

J. K. B. E. Seegar, M.D.
H. S. Gorsuch, M.D.
H. N. Freeman, M.D.

Resident Obstetrician.

Geo. R. Patrick, M.D.

UNIVERSITY HOSPITAL DISPENSARY STAFF.

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Frank S. Lynn, M.D., *Chief of Out-Patient Department.*
H. D. McCarty, M.D., Wilbur P. Stubbs, M.D., G. M. Settle, A.B., M.D., *Chiefs of Clinic to the Professor of Medicine.*
S. R. Clarke, M.D., R. C. Metzel, M.D., H. U. Todd, M.D., W. G. Clopton, M.D., Eugene Kerr, M.D., M. S. Schimmel, M.D., Le Compte Cook, M.D., *Assistants.*

R. P. Bay, M.D., *Chief of Clinic to the Professor of Surgery.*
Frank S. Lynn, M.D., *Associate Chief of Clinic.*
Fred. Rankin, A.M., M.D., Thos. L. Phillips, M.D., Edgar S. Perkins, M.D., Charles R. Edwards, M.D., H. M. Foster, M.D., *Assistants.*

Jose L. Hirsh, A.B., M.D., *Professor of Clinical Pediatrics.*
G. Carroll Lockard, M.D., *Chief of Clinic.*
J. A. Skladowsky, M.D., C. W. Rauschinbach, M.D., Robert C. Nitsch, A.B., M.D., *Assistants.*

W. K. White, M.D., R. L. Mitchell, M.D., R. G. Willse, M.D., L. H. Douglas, M.D., *Chiefs of Clinic to the Professor of Diseases of Women.*

Wm. Tarun, M.D., *Chief of Clinic to the Professor of Eye and Ear Diseases.*
E. A. Looper, M.D., *Assistant.*

John R. Abercrombie, A.B., M.D., L. W. Ketron, A.B., M.D., *Chiefs of Clinic to the Professor of Dermatology.*
H. M. Robinson, M.D., *Assistant.*

A. H. Carroll, M.D., *Chief of Clinic to the Professor of Diseases of the Stomach.*
J. Harry Ulrich, M.D., *Assistant.*

H. C. Davis, M.D., *Chief of Clinic to the Professor of Diseases of the Throat and Nose.*
H. L. Sinskey, M.D., *Assistant.*

R. Tunstall Taylor, A.B., M.D., *Professor of Orthopedic Surgery.*
Compton Riely, M.D., *Chief of Clinic.*
W. Harry Daniels, M.D., Louis A. Buie, A.B., M.D., *Assistants.*

Gideon Timberlake, M.D., *Professor of Genito-Urinary Diseases.*
A. J. Underhill, M.D., *Chief of Clinic.*

Irving J. Spear, M.D., *Professor of Neurology.*
George M. Settle, M.D., *Chief of Clinic.*
A. L. Fehsenfeld, M.D., Benjamin Puskhin, M.D., *Assistants.*

G. Milton Linthicum, M.D., *Professor of Diseases of Rectum and Colon.*
J. D. Reeder, M.D., *Chief of Clinic of Diseases of Rectum and Colon.*

John E. O'Neill, M.D., *Chief of Pulmonary Tuberculosis Clinic.*

H. N. Freeman, M.D., L. H. Douglas, M.D., *Chiefs of Clinic to the Professor of Obstetrics.*

DISPENSARY STAFF OF MERCY HOSPITAL.

Physician in Charge.

B. S. Hanna, M.D.

Surgery.

E. H. Hutchins, M.D.
A. M. Evans, M.D.
Thos. R. Chambers, M.D.
F. L. Jennings, M.D.

Genito-Urinary Surgery.

Anton G. Rytina, M.D.

Wm. J. Todd, M.D.
A. L. Tumbleson, M.D.
A. E. Goldstein, M.D.
Harris Goldman, M.D.

Orthopedic Surgery.

Albertus Cotton, M.D.

Medicine.

Harvey G. Beck, M.D.
B. S. Hanna, M.D.
W. G. Coppage, M.D.
A. A. Sienkiewicz, M.D.

Diseases of Stomach.

Julius Friedenwald, M.D.
T. Fred'k Leitz, M.D.
John G. Stiefel, M.D.
Theodore Morrison, M.D.

Nervous Diseases.

A. C. Gillis, M.D.

G. F. Sargent, M.D.
Otto H. Duker, M.D.
D. D. V. Stuart, Jr., M.D.
W. A. Boyd, M.D.

Diseases of Children.

C. L. Joslin, M.D.

F. N. Hillis, M.D.
Frank Ayd, M.D.

Diseases of Women.

A. Samuels, M.D.
Emil Novak, M.D.
J. G. Onnen, M.D.
C. F. J. Coughlin, M.D.

Diseases of Nose and Throat.

Frank Dyer Sanger, M.D.

G. W. Mitchell, M.D.
W. C. Stifler, M.D.
John Wade, M.D.
W. F. Zinn, M.D.

Diseases of Eye and Ear.

Harry Friedenwald, M.D.

H. K. Fleckenstein, M.D.
Jos. I. Kemler, M.D.

Neuro-Otology.

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Diseases of the Rectum.

C. F. Blake, M.D. Louis J. Rosenthal, M.D.

Diseases of Skin.

Melvin Rosenthal, M.D. B. V. Kelly, M.D.

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Maurice Lazenby, M.D., Arthur G. Barrett, M.D.

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Charles O'Donovan, A.M., M.D.
J. Wesley Cole, M.D.
O. V. Linhardt, M.D.
L. M. C. Parker, M.D.
Frank J. Powers, M.D.
Charles B. Wheltle, M.D.
J. W. V. Clift, M.D.

Surgery.

Arthur G. Barrett, M.D.
Herbert Blake, M.D.
J. B. Culverhouse, M.D.
J. D. Bubert, M.D.

Nose and Throat.

George Murgatroyd, M.D. Wm. Caspari, M.D.

Eye and Ear.

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Rectal Diseases.

Ernest Marr, M.D.

Urology.

J. B. Culverhouse, M.D. R. B. Kenyon, M.D.

Diseases of the Stomach.

F. E. Shipley, M.D.

Children.

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Maurice Lazenby, M.D.
Sydney Streett, A.B., M.D.
J. M. Fenton, M.D.
Eugene Hayward, M.D.

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H. S. Gorsuch, M.D.
H. N. Freeman, M.D.

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Benjamin Pushkin, M.D.
A. C. Gillis, A.M., M.D.
D. D. V. Stuart, Jr., M.D.
Wm. A. Boyd, B.S., M.D.

Dermatology.

E. R. Strobel, M.D.

Diseases of Chest.

J. W. Cole, M.D.

MATRICULATES, UNIVERSITY OF MARYLAND, SCHOOL OF MEDICINE AND COLLEGE OF PHYSICIANS AND SURGEONS, 1915—1916.

POST-GRADUATES AND SPECIAL STUDENTS.

Name.	*State.*
Bobbitt, Ray Maxwell, M.D.	*West Virginia*
Bowes, William Joseph, A.B.	*Maryland*
Crockett, John Henry	*Virginia*
D'Angelo, B. F., M.D.	*New York*
Dembrow, William L.	*Virginia*
Hale, Nathan G., M.D.	*Iowa*
Harsh, E. Herbert, M.D.	*Ohio*
Jackvony, Albert H., Phar. D.	*Rhode Island*
Jones, W. W., M.D.	*Iowa*
Koch, Arthur E., A.B., M.D.	*Ohio*
Laham, Jamil Tannus	*Palestine*
Lopez, Teodoro, M.D.	*Mexico*
Lyles, William Boykin, M.D.	*South Carolina*
McElwee, Ross S., M.D.	*North Carolina*
McGuire, George Thomas, M.D.	*Pennsylvania*
Maresca, Robert J.	*New Jersey*
Masley, Michael George	*Pennsylvania*
Michelson, Lewis, M.D.	*California*
Morgan, Edward A., M.D.	*West Virginia*
Naikelis, Stanley, B.S.	*Connecticut*
Nelson, Matthew Anton, B.S.	*Utah*
Parlade, Jaime Anjel, Phar.D.	*Cuba*
Player, Lionel Paget, M.D.	*California*
Speas, W. P., M.D.	*North Carolina*
Watts, Charles N., M.D.	*West Virginia*
Willoughby, M. Kemper, M.D.	*New York*
Zeller, Eugene J. K., M.D.	*Maryland*

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FOURTH YEAR CLASS.

Aikman, David McAllister	*Pennsylvania*
Anderson, Franklin B.	*Maryland*
Arnest, Richard Turberville	*Virginia*
Baggott, Bartus Trew	*Maryland*
Bailin, Robert	*New York*
Baldwin, Anton, Jr.	*Maryland*
Bawden, George Abner	*Maryland*
Beck, Foster A.	*Pennsylvania*
Bennett, Percival Robert	*North Carolina*
Benson, Edward H.	*Maryland*
Bickley, William Ernest, A.B.	*South Carolina*
Biddle, Benjamin Harrison	*Ohio*
Bishop, Everett Lassiter	*Georgia*
Bolen, Henry L.	*Massachusetts*
Bray, Thomas Latham	*North Carolina*
Brooke, Charles R.	*Maryland*
Brown, Thomas E., Jr.	*Pennsylvania*
Brumbaugh, Benjamin Bruce, Phar.D.	*Maryland*
Buettner, Henry Fred John	*Maryland*
Burton, Charles Hammon	*Maryland*
Byington, S. Bury	*District of Columbia*
Byrne, Ignatius P. A.	*New York*
Cannon, James M.	*West Virginia*
Carter, Paul Conway, B.S.	*North Carolina*
Carrasquillo, Honorio F.	*Porto Rico*
Cavallo, Michael Edward	*New York*
Chandler, James J., A.B.	*South Carolina*
Chaput, Lucien R.	*Massachusetts*
Childs, C. Chapin	*New York*
Cole, Lewis Furbeck	*New York*
Coltrane, John W.	*North Carolina*
Compton, A. Fillmore	*West Virginia*
Crook, Charles S.	*Maryland*
Cudd, James Erric, A.B.	*South Carolina*
Day, Samuel Thomas, Jr.	*New Jersey*
Dillon, William Joseph	*Massachusetts*
Dominguez, Tomas	*Porto Rico*
Dunne, Edward P.	*Connecticut*
Eby, John Cyril, Phar. D.	*Marylana*
Evans, John E., A.B.	*South Carolina*
Eyestone, Fred L.	*Ohio*
Feinglos, Israel J.	*Maryland*
Feldman, Maurice	*Maryland*
Ferneyhough, Willie Todd	*Virginia*
Ferry, Bernard Joseph	*Pennsylvania*
Finklestein, Max	*New York*
Flynn, William H.	*Connecticut*
Foard, Fred T., Jr.	*North Carolina*
Foley, Joseph D.	*Connecticut*
Foley, Matthew J.	*Maryland*
Folk, Robert Hami ton, A.B.	*South Carolina*
Foxwell, Raymond K.	*Maryland*
Gagnon, Arthur J.	*Rhode Island*

Name.	State.
Gannon, Clarence Lee	*New York*
Gatsopoulos, Peter N.	*Massachusetts*
Gillett, Harold E.	*New York*
Ginsburg, Jacob B.	*Maryland*
Glatzau, Lewis W.	*Florida*
Goldman, Harry	*Maryland*
Gonzales, José Felipe Gonzales y	*Porto Rico*
Growt, Bowers H.	*Maryland*
Gruetzner, Edward T.	*Pennsylvania*
Gwynn, George Humphrey, Jr.	*Florida*
Gwynn, Humphrey Wilson	*Florida*
Hahn, Albert Gaither	*North Carolina*
Hammer, Howell Inskip, Ph.G.	*Maryland*
Hanigan, S. Roscoe	*Pennsylvania*
Hege, J. Roy	*North Carolina*
Hennessy, Jay Tyrrell	*New York*
Howard, Lewis H.	*Maryland*
Hundley, Frank S.	*Maryland*
Hutton, Daniel Cogdell	*North Carolina*
Jacobson, Benard S.	*Maryland*
Jaffe, Benjamin Meyer	*Maryland*
Knapp, Lee Henry	*New Hampshire*
Kritzer, Henry Rowland	*Virginia*
Kyle, Paul Maxwell	*West Virginia*
Law, Harry D.	*Maryland*
Lay, Juan A.	*Cuba*
Lazenby, Allen D.	*Maryland*
Light, Ellsworth Emmett	*Massachusetts*
Long, Clark Samuel	*Pennsylvania*
Lopez, Eufemio N. Bocanegra, Phar. D.	*Porto Rico*
Lovely, Bernard Henry	*New Hampshire*
Lowsley, Augustus S,	*California*
Lupton, Charles H.	*North Carolina*
McCamey, Kenneth E.	*Pennsylvania*
McKenna, William H.	*Rhode Island*
McLean, George	*Maryland*
Machin, Frank H.	*Maryland*
Madden, William L.	*New Jersey*
Marino, Frank C.	*Maryland*
Martin, Frank S.	*Maryland*
Matthai, Jacob Henry	*Illinois*
Mason, Frank E.	*Maryland*
Maxwell, John A., A.B.	*Connecticut*
Mayo, Woodward B.	*Utah*
Mejias, Francisco J.	*Porto Rico*
Mellor, Royal B.	*Maryland*
Merkel, Henry Anton	*Maryland*
Miller, John E.	*Vermont*
Miller, Lawrence G.	*Maryland*
Mitchell, Henry S.	*Maryland*
Morales, Ricardo Ramirez y	*Porto Rico*
Nevling, Ai Boynton	*Pennsylvania*
Nicholson, Frank P.	*New York*
Nicklas, John M.	*Maryland*
Noell, Robert Holman	*North Carolina*
O'Brien, Joseph Gerald	*Maryland*
O'Brien, Thomas Francis	*Connecticut*
Oddo, Vincent	*New York*
Oduber, Jacob	*Dutch West Indies*
O'Malley, William F.	*New York*
O'Neill, Gonzalo, Jr.	*New York*
Pasuth, Bartholomew Charles	*Connecticut*
Patrick, George R.	*North Carolina*
Payawal, Juan L., A.B.	*Philippine Islands*
Penabaz, Fernando, B.S.	*Cuba*
Peterson, Arthur F.	*Massachusetts*
Pole, Charles A.	*Maryland*
Porter, Lyman R.	*Maryland*
Post, Guy Reyman	*West Virginia*
Pruitt, Samuel O., A.B.	*South Carolina*
Reier, Adam William	*Maryland*
Reifschneider, Charles Adam	*Maryland*
Rice, George William	*Maryland*
Rigby, Cecil, B.S.	*South Carolina*
Rios, Manuel G. de Quevedo	*Porto Rico*
Roberts, Joseph John	*Connecticut*
Rogers, Herbert W.	*Virginia*
Rolenson, Julio R.	*Porto Rico*
Ruzicka, F. Frederick, A.B., A.M.	*Maryland*
Santos-Buch, Angel M., Lit.B.	*Cuba*
Savannah, Joseph G.	*New Jersey*
Shetter, Andrew G.	*Pennsylvania*
Shirkey, Wilbur Fiske, Jr.	*West Virginia*
Short, Noah Hageman	*West Virginia*
Sloan, William Henry, B.S.	*North Carolina*
Snyder, Samuel	*Maryland*
Stein, Harold Milton	*New Jersey*
Sternberg, Abraham Tobias	*Palestine*
Strandberg, Herbert Lawrence.	*New Jersey*
Suzuki, Yoshio, M.D.	*Japan*
Syrop, Edward Franklin.	*New York*
Tay, Justin Carlton	*Massachusetts*
Thomas, Edward P.	*Maryland*
Thompson, Edwin Brice	*Ohio*
Tickle, Thomas Gooch	*West Virginia*
Van Poole, Carl M.	*North Carolina*
Voss, Norwood W., A.B.	*Maryland*
Wellman, Harrison M.	*Pennsylvania*
Wentz, Maurice Cornelius, B.S.	*Maryland*
Whittle, William Oscar	*Virginia*
Williams, W. Frederick	*Maryland*
Wolfe, Humphrey D.	*Maryland*

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THIRD YEAR CLASS.

Armstrong, Fred Francis	*Connecticut*
Audet, Charles Henry	*Massachusetts*
Bampfield, Fred J.	*Canada*
Barishaw, Samuel	*New Jersey*
Bennet, Da Costa, A.B.	*Maine*
Bloom, George Homer	*Maryland*

Name.	State.
Bloom, Lawrence H.	*New Jersey*
Bohl, Luis Joseph	*New Jersey*
Bonner, Octavius B.	*North Carolina*
Brounshas, Ipolitas B	*New York*
Burrows, Ernest A.	*Massachusetts*
Brynes, Thomas E.	*Massachusetts*
Carlin, Edward J. M.	*New Jersey*
Carroll, H. Roland	*Maryland*
Champlin, Roy D.	*New York*
Clark, Frederick H.	*Georgia*
Coulon, Frank N.	*New Hampshire*
Covey, William Crockett	*West Virginia*
Crawford-Frost, John I.	*Maryland*
Darby, W. Arthur	*Maryland*
Daves, John Thomas	*Virginia*
Davidson, William B.	*Rhode Island*
Diebolder, Oscar	*Germany*
Donahue, Cornelius L.	*New York*
Doyle, Joseph F.	*Massachusetts*
Duffy, Vincent P.	*West Virginia*
Ehlers, Reginald G. M., M.D.V.	*California*
Eleder, Franklin C.	*Maryland*
Eisenberg, Albert	*Maryland*
Ephraim, Meyer	*Maryland*
Fay, Daniel E.	*Maryland*
Fernandez, Luis J.	*Porto Rico*
Frost, Nugent G.	*New York*
Gallagher, William E.	*New York*
Giesen, John Jacob, A.B	*Virginia*
Hartman, George Otto	*Ohio*
Hertzog, Francis C.	*Pennsylvania*
Hedrick, Erland H.	*West Virginia*
Hodges, Henry Stuart	*North Carolina*
Holmes, James	*Massachusetts*
Howell, James E., B.S.	*North Carolina*
Huff, Wheeler O.	*Maryland*
Johnson, Harley M.	*South Carolina*
Kaufman, Edgar W.	*Pennsylvania*
Ketcherside, Hillary D.	*Arizona*
Kirk, William V.	*West Virginia*
Krause, Louis A. M.	*Maryland*
Koprivich, Milan I. S.	*Serbia*
Labares, Gregory A., A.B.	*Philippine Islands*
Lasher, Lemuel A.	*Pennsylvania*
Legge, Kenneth D.	*District of Columbia*
McClintock, George L.	*Pennsylvania*
MacGregor, Allan W.	*Connecticut*
Maddison, W. E.	*Utah*
Marston, James Graham, A.B.	*Maryland*
Martin, John Willis	*Maryland*
Martinez, Jose	*Porto Rico*
Melroy, Raymond S.	*Pennsylvania*
Merrick, Frank X.	*New York*
Michael, Marion Harlan	*Maryland*
Miller, Wilfred Porter, M.E.	*New York*
Montgomery, Mathison J.	*Pennsylvania*
Moran, Arthur B.	*Connecticut*
Moyers, Emmet D.	*West Virginia*
Mulcahy, Francis J.	*Massachusetts*
Nagourney, Leon	*New York*
Nohe, C. C.	*West Virginia*
Nolan, Francis F.	*Virginia*
Norris, J. Edward	*Maryland*
Ogden, Frank N.	*Maryland*
O'Neill, Joseph T.	*Massachusetts*
Peeler, Casper S., B.S.	*Florida*
Peery, Clarence E.	*Virginia*
Porterfield, Marvin H.	*West Virginia*
Reddig, Clarence M., Ph. B.	*Pennsylvania*
Reitzel, Elbert Coy	*North Carolina*
Reynolds, Paul Emerson	*Maryland*
Rigau, Gabriel	*Porto Rico*
Rigby, Samuel B.	*Utah*
Rodriguez, Antonio, Jr.	*Porto Rico*
Salan, Joseph	*Indiana*
Shaver, William T.	*North Carolina*
Shayt, Louis	*Maryland*
Silverstein, Max	*New York*
Skilling, John G.	*Maryland*
Smith, Leo L.	*Oklahoma*
Smith, Leroy H.	*Maine*
Sorin, Israel C.	*New Jersey*
Stein, Albert	*Massachusetts*
Tarkington, Grayson E.	*Arkansas*
Thomas, Kelly C.	*North Carolina*
Tierney, Edward F.	*Rhode Island*
Vaughan, George W.	*Maryland*
Vicwig, Max W.	*West Virginia*
Weber, John J.	*Maryland*
Welch, Robert S. G.	*Maryland*
Wheaton, Harry W.	*New York*
Wheeler, Howard Lawrence	*Maryland*
Whistler, Edward L., A.B.	*Pennsylvania*
White, George L.	*Maryland*
Williams, William C.	*North Carolina*
Wolff, Carl O., A.B.	*North Carolina*
Wolford, Roy A.	*West Virginia*
Worrell, Churchill F.	*Virginia*
Yost, Fielding Ernest Lee	*West Virginia*

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SECOND YEAR CLASS.

Allen, Eustace A., A.B.	*Alabama*
Anderson, Lang W.	*South Carolina*
Andrew, Clarence Pridmore, A.B.	*South Africa*
Bird, LaRue	*Pennsylvania*
Block, David S.	*Maryland*
Briscoe, Everard	*Maryland*
Bross, Samuel Isadore	*Maryland*
Cafritz, Edward Alexandria	*District of Columbia*
Chesbro, Charles C.	*New York*
Clark, Harold C.	*New York*

Name.	*State.*
Cohn, Alexander	*Maryland*
Dalton, William B.	*North Carolina*
DeFeo, Charles C.	*Connecticut*
Deliz, Ramon	*Porto Rico*
Dillon, William M.	*New York*
Fazenbaker, Anderson J.	*Maryland*
Flippin, Eugene Littlejohn	*North Carolina*
Gavronsky, Samuel	*New Jersey*
Gleason, John Lewis	*Connecticut*
Griffith, Wesley Powell, A.B.	*Pennsylvania*
Hart, Crawford Avery, A.B.	*North Carolina*
Houde, Arthur J.	*Massachusetts*
Hunter, DeWitt Talmage	*North Carolina*
Isaacs, Raphael Harris	*Maryland*
Joyner, James C.	*North Carolina*
Kellam, John Wise	*Virginia*
Knowles, J. R.	*Maryland*
LaRue, Raymond	*Ohio*
Leiva, Carlos Rivas	*Cuba*
Lynch, Raymond A.	*West Virginia*
Macke, Clarence Edgar	*Maryland*
McDade, Brodie Banks	*North Carolina*
McLeod, Walter Guy	*North Carolina*
Miller, Daniel	*Maryland*
Morgan, Zachariah Raphael	*Maryland*
Penabaz, Jose A., A.B.	*Cuba*
Pilson, Robert Adrian	*Maryland*
Putterman, Morris Nathan	*Maryland*
Ridgely, Irwin Oliver, A.B.	*Maryland*
Robles, Charles Walter	*Florida*
Russell, Frank J.	*Maryland*
Sabiston, Frank	*North Carolina*
Seal, Gratta Earle	*West Virginia*
Sindler, Joseph	*Maryland*
Speake, Thomas Carlyle, A.B.	*Maryland*
Sweet, Alfred Norton	*Connecticut*
Tannenbaum, Frank	*New York*
Taylor, Joseph R.	*Pennsylvania*
Thaureaux, Eladio	*Cuba*
Thompson, T. F.	*New Jersey*
Thoner, John George	*West Virginia*
Trippett, L. H., A.B.	*West Virginia*
Tull, Myron G., A.B.	*Maryland*
White, S. Howard, A.B.	*South Carolina*
Woltz, Charles R.	*Virginia*

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FIRST YEAR CLASS.

Abbott, Lyman Sinclair	*Missouri*
Adams, Edgar P.	*Maryland*
Alagia, Damian P.	*Maryland*
Alexis, Joseph	*Pennsylvania*
Barker, Frank Talmage	*Florida*
Beachley, Ralph Gregory	*Maryland*
Boone, Walter, Jr.	*South Carolina*
Brown, James, Jr.	*North Carolina*
Buchness, John Adam	*Maryland*
Campbell, Arthur Thomas	*Connecticut*
Clauss, Leo Carl	*Connecticut*
Crouch, Norman	*Maryland*
Davis, Charles W., A.B.	*North Carolina*
Davis, John Edward	*Virginia*
Demely, Louis Alvin	*Maryland*
Flaherty, John Joseph	*Connecticut*
Foose, Wilbur C., Phar.D.	*Pennsylvania*
Fort, Wetherbee	*Maryland*
Franceschi, Francisco	*Porto Rico*
Geyer, William Glenville	*Maryland*
Gleason, Joseph H.	*Massachusetts*
Goldsborough, Charles Reubull, A.B.	*Maryland*
Hartenstein, Albert G., Ph.C.	*West Virginia*
Helsabeck, Chester Joseph	*North Carolina*
Horine, Cyrus Flook	*Maryland*
Ingram, W. Hawkins	*Maryland*
Jacobowitz, Aaron	*Pennsylvania*
John, Baxter Schooley	*Virginia*
Kane, Leo Vincent, A.B.	*New Jersey*
Kenure, James Thomas, B.S.	*Connecticut*
Lonergan, Paul B.	*Pennsylvania*
Lumpkin, Morgan Le Roy, Ph.B.	*Maryland*
McElwain, Howard Byer	*Pennsylvania*
Macis, Salvador A., A.B., B.S.	*Nicaragua, C. A.*
Mayoral, Joaquin	*Cuba*
Morales, Pablo, Jr.	*Porto Rico*
Morisey, Raymond F.	*North Carolina*
Murphy, Benjamin Russell	*New Jersey*
Quintero, Ernesto	*Porto Rico*
Reynolds, Roy Rex	*Virginia*
Richardson, Ray Walters	*Maryland*
Romine, Carl Chester	*West Virginia*
Shaw, Wilfred McLaurin, A.B.	*South Carolina*
Sheppard, Henry, Jr.	*North Carolina*
Sneiderman, Benjamin Robert	*Connecticut*
Stewart, Charles Wilbur	*Maryland*
Tiemeyer, Arthur Charles	*Maryland*
Timko, Louis Michael	*Pennsylvania*
Vazquez, Rafael	*Porto Rico*
White, Thomas Francis	*Delaware*
Whitted, Walter Puryear	*North Carolina*
Wild, Albert	*Connecticut*
Wright, Harold Edson	*New York*

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GENERAL SUMMARY OF STUDENTS ATTENDING THE UNIVERSITY OF MARYLAND, SESSION OF 1915-16.

Department of Arts and Sciences (St. John's College)	161
School of Medicine	395
Department of Law	425
Dental Department	147
Department of Pharmacy	103
Training Schools for Nurses	238
Total	1469

GRADUATES UNIVERSITY OF MARYLAND, SCHOOL OF MEDICINE AND COLLEGE OF PHYSICIANS AND SURGEONS, JUNE 1, 1916.

Name.	*State.*
Aikman, David McAllister	*Pennsylvania*
Anderson, Franklin B	*Maryland*
Arnest, Richard Turberville	*Virginia*
Baggott, Bartus Trew	*Maryland*
Bawden, George Abner	*Maryland*
Beck, Foster A	*Pennsylvania*
Bennett, Percival Robert	*North Carolina*
Benson, Edward H	*Maryland*
Bickley, William Ernest, A.B.	*South Carolina*
Biddle, Benjamin Harrison	*Ohio*
Bishop, Everett Lassiter	*Georgia*
Bray, Thomas Latham	*North Carolina*
Brooke, Charles R	*Maryland*
Brown, Thomas E., Jr	*Pennsylvania*
Brumbaugh, Benjamin Bruce, Phar.D.	*Maryland*
Buettner, Henry Fred John	*Maryland*
Burton, Charles Hammon	*Maryland*
Bryne, Ignatius P. A	*New York*
Carter, Paul Conway, B.S	*North Carolina*
Carrasquillo, Honorio F	*Porto Rico*
Cavallo, Michael Edward	*New York*
Chandler, James J., A.B	*South Carolina*
Chaput, Lucien R	*Massachusetts*
Childs, C. Chapin	*New York*
Cole, Lewis Furbeck	*New York*
Coltrane, John W	*North Carolina*
Compton, A. Fillmore	*West Virginia*
Cudd, James Erric, A.B	*South Carolina*
Dillon, William Joseph	*Massachusetts*
Dominguez, Tomas	*Porto Rico*
Dunne, Edward P	*Connecticut*
Evans, John E., A.B	*South Carolina*
Eyestone, Fred L	*Ohio*
Feinglos, Israel J	*Maryland*
Feldman, Maurice	*Maryland*
Ferneyhough, Willie Todd	*Virginia*
Ferry, Bernard Joseph	*Pennsylvania*
Finkelstein, Max	*New York*
Flynn, William H	*Connecticut*
Foard, Fred T., Jr	*North Carolina*
Foley, Joseph D	*Connecticut*
Folk, Robert Hamilton, A.B.,	*South Carolina*
Foxwell, Raymond K	*Maryland*
Gannon, Clarence Lee	*New York*
Gatsopoulos, Peter N	*Massachusetts*
Gillett, Harold E	*New York*
Glatzau, Lewis W	*Florida*
Goldman, Harry	*Maryland*
Gonzales, José Felipe Gonzales y	*Porto Rico*
Growt, Bowers H	*Maryland*
Greutzner, Edward T	*Pennsylvania*
Gwynn, George Humphrey, Jr	*Florida*
Gwynn, Humphrey Wilson	*Florida*
Hahn, Albert Gaither	*North Carolina*
Hammer, Howell Inskip, Ph.G	*Maryland*
Hanigan, S. Roscoe	*Pennsylvania*
Hege, J. Roy	*North Carolina*
Hennessy, Jay Tyrrell	*New York*
Howard, Lewis H	*Maryland*
Hundley, Frank S	*Maryland*
Hutton, Daniel Cogdell	*North Carolina*
Jacobson, Benard S	*Maryland*
Jaffe, Benjamin Meyer	*Maryland*
Knapp, Lee Henry	*New Hampshire*
Kyle, Paul Maxwell	*West Virginia*
Lazenby, Allen D	*Maryland*
Light, Ellsworth Emmett	*Massachusetts*
Long, Clark Samuel	*Pennsylvania*
Lopez, Eufemio N. Bocanegra, Phar.D.	*Porto Rico*
Lovely, Bernard Henry	*New Hampshire*
Lupton, Charles H	*North Carolina*
Madden, William L	*New Jersey*
Marino, Frank C	*Maryland*
Matthai, Jacob Henry	*Illinois*
McCamey, Kenneth E	*Pennsylvania*
McLean, George	*Maryland*
Mejias, Francisco J	*Porto Rico*
Merkel, Henry Anton	*Maryland*
Miller, John E	*Vermont*
Miller, Lawrence G	*Maryland*
Morales, Ricardo Ramirez y	*Porto Rico*
Nevling, Ai Boynton	*Pennsylvania*
Nicholson, Frank P	*New York*
Noell, Robert Holman	*North Carolina*
O'Brien, Joseph Gerald	*Maryland*
O'Brien, Thomas Francis	*Connecticut*
Oddo, Vincent	*New York*
Oduber, Jacob	*Dutch West Indies*

Name.	State.
O'Malley, William F.	*New York*
O'Neill, Gonzalo, Jr.	*New York*
Pasuth, Bartholomew Charles	*Connecticut*
Patrick, George R.	*North Carolina*
Penabaz, Fernando, B.S.	*Cuba*
Peterson, Arthur F.	*Massachusetts*
Post, Guy Reyman	*West Virginia*
Pruitt, Samuel O., A.B.	*South Carolina*
Reier, Adam William	*Maryland*
Reifschneider, Charles Adam	*Maryland*
Rice, George William	*Maryland*
Rigby, Cecil, B.S.	*South Carolina*
Rios, Manuel G. de Quevedo	*Porto Rico*
Roberts, Joseph John	*Connecticut*
Rogers, Herbert W.	*Virginia*
Rolenson, Julio R.	*Porto Rico*
Ruzicka, F. Frederick, A.B., A.M.	*Maryland*
Santos-Buch, Angel M., Lit.B.	*Cuba*
Shirkey, Wilbur Fiske, Jr.	*West Virginia*
Short, Noah Hageman	*West Virginia*
Sloan, William Henry, B.S.	*North Carolina*
Snyder, Samuel	*Maryland*
Stein, Harold Milton	*New Jersey*
Sternberg, Abraham Tobias	*Palestine*
Strandberg, Herbert Lawrence	*New Jersey*
Syrop, Edward Franklin	*New York*
Thomas, Edward P.	*Maryland*
Tickle, Thomas Gooch	*West Virginia*
Van Poole, Carl M.	*North Carolina*
Voss, Norwood W., A.B.	*Maryland*
Wellman, Harrison M.	*Pennsylvania*
Wentz, Maurice Cornelius, B.S.	*Maryland*
Whittle, William Oscar	*Virginia*
Williams, W. Frederick	*Maryland*
Wolfe, Humphrey D.	*Maryland*

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PRIZEMEN

UNIVERSITY GROUP

University Prize—*Gold Medal*.....Frank C. Marino

Certificates of Honor.

Benard S. Jacobson
Honorio F. Carrasquillo
Harrison M. Wellman
Cecil Rigby
Robert H. Folk.

COLLEGE OF PHYSICIANS AND SURGEONS GROUP

Medal Men.

Kenneth E. McCamey
Lewis H. Howard
Humphrey D. Wolfe
Guy R. Post.

Entitled to Honorable Mention.

D. M. Aikman
George McLean
E. P. Dunne
A. F. Peterson.

THE UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE

AND THE

COLLEGE OF PHYSICIANS AND SURGEONS.

UNITED IN 1915, AND HEREAFTER THE TWO SCHOOLS WILL BE CONDUCTED AS ONE.

As a result of the merger accomplished in 1915 the combined schools offer the student the abundant resources of both institutions, and, in addition, by earlier combination with the Baltimore Medical College, the entire equipment of three large medical colleges.

The School of Medicine of the University of Maryland is one of the oldest foundations for medical education in America, ranking fifth in point of age among the medical colleges of the United States. It was chartered in 1807, under the name of the College of Medicine of Maryland, and its first class was graduated in 1810. In 1812 the College was empowered by the Legislature to annex three other colleges or faculties, of Divinity, of Law and of Arts and Sciences, and the four colleges thus united were "constituted an University by the name and under the title of the University of Maryland."

Established thus for more than a century, the School of M dicine of the University of Maryland has always been a leading medical college, especially prominent in the South and widely known and highly honored throughout the country.

The beautiful college building at Lombard and Greene Streets, erected in 1814–1815, is the oldest structure in America devoted to medical teaching. Here was founded one of the first medical libraries and the first medical college library in the United States.

Here for the first time in America dissecting was made a compulsory part of the curriculum; here instruction in Dentistry was first given (1837), and here were first installed independent chairs for the teaching of Diseases of Women and Children (1867) and of Eye and Ear Diseases (1873).

The School of Medicine was one of the first to provide for adequate clinical instruction by the erection in 1823 of its own

hospital, and in this hospital intra mural residency for the senior student, now available for the whole class, was first established.

In 1913 juncture was brought about with the Baltimore Medical College, an institution of 32 years growth. By this association the facilities of the School of Medicine were enlarged in faculty, equipment and hospital connection.

The College of Physicians and Surgeons was incorporated under the Legislative enactment in 1872 and established on Hanover Street in a building afterwards known as the Maternité, the first obstetrical hospital in Maryland. In 1878 union was effected with the Washington University School of Medicine, in existence since 1827, and the College was removed to its present location at Calvert and Saratoga Streets. By this arrangement, medical control of the City Hospital, now the Mercy Hospital, was obtained, and on this foundation in 1899 the present admirable college building was erected.

CLINICAL FACILITIES.

HOSPITALS AND DISPENSARIES.

UNIVERSITY HOSPITAL.

The University Hospital, which is the property of the Faculty of Physic of the University of Maryland, is the oldest institution for the care of the sick in the State of Maryland. It was opened in September, 1823, under the name of the Baltimore Infirmary, and at that time consisted of but four wards, one of which was reserved for eye cases. By successive additions this hospital was increased to more than fourfold its original accommodations, there being added to it a large clinical amphitheater, a students' building for the accommodation of the thirty clinical assistants, and a nurses' building for the accommodation of the pupils of the Training School for Nurses. The yearly increase in the number of patients seeking admission to the hospital, however, more than kept pace with the increase in accommodations, and the Faculty therefore erected an entirely new and modern hospital of fully double the capacity of the former building.

The University Hospital is constructed of brick and Tennessee limestone in the Colonial style of architecture, fronting 175 feet upon Lombard Street, and about the same on Greene Street. It is supplied with the most modern and approved system of heating, ventilation,

etc., and equipped with all modern requirements and conveniences for the care of the sick, and for the clinical instruction of the students of the University.

It is one of the largest and finest hospitals owned and controlled by any medical school in America, and in point of architectural beauty, convenience and completeness of arrangements and equipment compares favorably with other hospitals.

An important adjunct to the hospital is the postmortem building, which is constructed with special reference to the instruction of students in pathological anatomy.

The hospital is situated opposite the University building, so that the student loses no time in passing from the lecture halls to the clinical amphitheater.

A portion of the hospital is used as a marine hospital for foreign seamen. The great importance of Baltimore as a shipping point brings into her harbor many vessels from all parts of the world, and the sick sailors who are cared for in the wards of the institution give the students an opportunity to observe a large variety of diseases. Another considerable portion of the building is used as a Municipal Hospital, and contains charity beds supported by the city of Baltimore. This department of the hospital is taxed to its utmost capacity to afford accommodations for the patients seeking admission.

Owing to its location, being the nearest hospital to the largest manufacturing district of the city, the University Hospital receives for treatment a very large number of accident cases of all kinds, both slight and serious. These cases, as well as patients suffering from the various diseases of our own climate, occupy the beds, and add greatly to the facilities of clinical teaching enjoyed by the school. The facilities for clinical instruction have been greatly enlarged by an appropriation by the State of Maryland for the support of free beds for patients from the various counties.

MERCY HOSPITAL.

The Sisters of Mercy first assumed charge of the Hospital at the corner of Calvert and Saratoga streets, then owned by the Washington University, in 1875. By the merger of 1878 the Hospital came under the control of the College of Physicians and Surgeons, but the Sisters continued their work of ministering to the patients.

In a very few years it became apparent that the City Hospital, as it was then called, was much too small to accommodate the rapidly

growing demands upon it. However, it was not until 1888 that the Sisters of Mercy with the assistance of the Faculty of the College of Physicians and Surgeons, were able to lay the corner stone of the present Hospital. This building was completed and occupied late in 1889. Since then the growing demands for more space has compelled the erection of additions until now there are accommodations for 351 patients.

In 1909 the name was changed from The Baltimore City Hospital to Mercy Hospital.

Mercy Hospital is located in the center of a city of 700,000 inhabitants and is under the exclusive medical control of the College of Physicians and Surgeons. It adjoins the College building and all surgical patients from the public wards are operated upon in the College operating rooms. This union of the Hospital and College buildings greatly facilitates the clinical teaching as there is no time lost in passing from one to the other.

Mercy Hospital is the hospital of the United Railways and Electric Company of Baltimore City, and receives patients from the Baltimore and Ohio Railroad Company and from the Pennsylvania Railroad Company and its branches.

During the calendar year of 1915 there were treated in the wards of the Hospital 5,084 patients. That the emergency service is very large is shown by the fact that during this time 4,386 ambulant cases were treated in the accident department. In other out-patient departments there were treated 9,205 patients, making a total of 18,675 ill or injured people who applied for treatment during one year.

THE MARYLAND GENERAL HOSPITAL.

The Maryland General Hospital situated at Madison Street and Linden Avenue has a capacity of 160 beds and furnishes a large amount of clinical material which is under the control of the Faculty of Physic for teaching purposes.

A new operating suite has just been completed, modern in every particular and adapted to the teaching of small sections of students. There is also a clinical amphitheatre for larger classes of students, in close proximity to the wards. The hospital treated during the last fiscal year 2980 patients in the ward and 2645 outdoor patients. Eleven hundred and seventy-two surgical operations were performed.

The hospital receives appropriations from the State of Maryland and the City of Baltimore for the support of charity cases.

FRANKLIN SQUARE HOSPITAL.

The Franklin Square Hospital has a capacity of 100 beds. During the year ending October 1, 1915, 2528 cases were treated in the hospital, and 2597 patients were treated in the dispensary. Eight hundred surgical operations were performed in the hospital.

LYING-IN HOSPITALS.

MATERNITY HOSPITAL OF THE UNIVERSITY OF MARYLAND.

This institution is also the property of the Faculty of Physic, and under its exclusive control and direction, and is conducted with the special purpose of furnishing actual obstetrical experience to each member of the graduating class.

New accommodations have been provided in the general hospital, and the Maternity Department now offers better facilities than ever before. The private rooms and wards are modern in all respects, and the large increase in clinical material has made it possible to offer excellent opportunities for post-graduate work.

MARYLAND LYING-IN HOSPITAL.

This hospital adjoins the Maryland General Hospital and furnishes an abundance of clinical material which is under the control of the Faculty of Physic.

MARYLAND LYING-IN ASYLUM.

This hospital was established by the College of Physicians and Surgeons in 1874. It is the pioneer institution of its kind in the State of Maryland and one of the first in the country.

OUT-PATIENT CLINIC AND DISPENSARIES.

Each of the above hospitals has a well organized out-patient department and dispensary, under supervision of graduates in medicine who are paid instructors and devote their whole time to the supervision of out-door work.

NUMBER OF PATIENTS.

During the year ending May 1, 1916, the number of patients treated in the Lying-In hospitals connected with the School was as follows:

Number of Confinements in Hospitals..... 969
Number of Confinements, Out-Patient Department..... 1103
Average number of cases seen by each student of the graduating class.. 35

THE MUNICIPAL HOSPITALS—BAY VIEW.

The clinical advantages of the University have been largely increased by the liberal decision of the Board of Supervisors of City Charities to allow the immense material of these hospitals to be used for the purpose of medical education. There are daily visits and clinics in medicine and surgery by the Staff of the hospitals. The autopsy material is unsurpassed in this country in amount, thoroughness in study, and the use made of it in medical teaching.

The Municipal Hospitals consist of the following separate hospitals:

The General Hospital, 160 beds.

The Hospital for Chronic Cases, 88 beds.

The Municipal Hospital for Tuberculosis, 190 beds.

City Detention Hospital for Insane, 450 beds.

THE PRESBYTERIAN EAR, EYE AND THROAT CHARITY HOSPITAL.

This institution, which was founded in 1877, largely through the efforts of the late Dr. J. J. Chisolm, then Professor of Diseases of the Eye and Ear in the University of Maryland, is one of the largest special hospitals in the country.

During the year 1914 there were admitted to the Dispensary and Hospital, 11,688 persons.

The Dispensary and wards of this hospital afford ample facilities for the study of diseases of the eye, ear, nose and throat.

SOUTH BALTIMORE EYE, EAR, NOSE AND THROAT CHARITY HOSPITAL.

This hospital, situated in South Baltimore, occupies a new, fireproof building, with a capacity of 45 beds, of which 25 are ward beds. It has a large, out-patient department devoted to diseases of the eye, ear, nose and throat. Dr. H. E. Peterman is visiting surgeon.

THE JAMES LAWRENCE KERNAN HOSPITAL AND INDUSTRIAL SCHOOL OF MARYLAND FOR CRIPPLED CHILDREN.

This institution contains seventy-five beds for the active treatment of deformities. It is situated at "Radnor Park," a colonial estate of sixty-five acres at Hillsdale, one mile from the western city limits, reached by trolley.

This institution has city, state, endowed and private beds and every modern facility for the treatment of orthopedic cases as well as a most beautiful park-like environment and farm, and is closely affiliated with the University of Maryland.

ST. VINCENT'S INFANT ASYLUM.

The facilities of this institution, containing 250 infants and children, have been kindly extended to the University of Maryland by the Sisters of Charity. This large clinic enables this school to present to its students liberal opportunities for the study of diseases of infants and children.

INSTITUTIONS FOR THE TREATMENT OF THE INSANE AND FEEBLE MINDED.

The Sheppard and Enoch Pratt Hospital for the Insane This institution is one of the most modern hospitals for the treatment and care of the insane in this country, it is well endowed and its superintendent is Dr. Edward N. Brush, Professor of Psychiatry at the University of Maryland. In this hospital intensive treatment and study of mental diseases is carried on; a large number of the patients entering voluntarily. The students under the direction of Dr. Brush and his assistants in a series of clinics are shown the early manifestations and the various stages of mental diseases, the methods of treatment, and their effects.

Mount Hope Retreat for the Insane. This hospital contains an average of 1000 patients, is attended by Dr. Chas. G. Hill, A.M., M.D., Professor of Psychiatry of this faculty. Under the direction of Dr. Hill and his assistants the students are given opportunity for the study of large groups of patients showing all phases of various mental and nervous disorders.

Spring Grove State Hospital. This hospital, a state institution for the treatment of the insane, has a capacity of 780 beds. Dr. J. Percy Wade, associate in Psychiatry, is the superintendent.

Students of this school are given a limited number of clinics at this institution.

Springfield State Hospital. This large state institution for treatment of mental diseases is situated at Sykesville, Md. Dr. J. Clement Clark, Associate Professor of Psychiatry is its superintendent. There are accommodations for 1400 patients. At this institution under charge of a capable director is located a modern psychopathic ward where intensive study of the various mental diseases is carried on. Each session the students of this school are given several clinics by Dr. Clark and his assistants.

Rosewood State Training School. This hospital situated in the suburbs of Baltimore is owned and controlled by the State of Maryland. It contains 700 beds devoted to the treatment and training of the feeble minded and epileptics. Dr. Frank W. Keating is the superintendent and is Instructor in Psycho-Asthenics in the University of Maryland. Sections of the Fourth Year class are sent to this hospital for instruction in the proper care of feeble minded and epileptics.

DISPENSARIES.

The three dispensaries associated with the University Hospital, Mercy Hospital and the Maryland General Hospital are organized upon a uniform plan in order that the teaching may be the same in all. Each dispensary has the following departments: Medicine, Surgery, Children, Eye and Ear, Genito-Urinary, Gynecology, Gastro-Enterology, Neurology, Orthopedics, Proctology, Dermatology, Throat and Nose, and Tuberculosis.

All students in their junior year work in the departments of Medicine and Surgery each day in one of the dispensaries.

All students in their senior year work in the special departments one hour each day.

Some idea of the value of these dispensaries for clinical teaching is shown by the number of patients treated. For the year 1915 over sixty-six thousand visits were made to the dispensaries.

In addition to these the Dental Department, situated upon the grounds of the University, conducts a daily clinic which is open to medical students.

University Hospital Dispensary Report, April, 1915 to April, 1916

DEPARTMENT	NEW CASES	OLD CASES	TOTAL
Surgical	1,674	4,082	5,756
Medical	1,134	2,263	3,397
Nervous Diseases	316	2,539	2,855
Genito Urinary	558	1,727	2,285
Eye and Ear	786	1,096	1,882
Women	644	1,075	1,719
Children	605	931	1,536
Skin	385	842	1,227
Throat and Nose	529	645	1,174
Stomach	345	709	1,054
Tubercular	345	616	961
Orthopedic	109	589	698
Obstetrical	231	74	305
Diseases of Rectum	52	110	162
	7,713	17,298	25,011

Grand Total 25,011

JOHN HOUFF, M.D.,
Dispensary Physician.

Mercy Hospital Dispensary Report, Jan. 1st, 1915 to Dec. 31st, 1915

	NEW PATIENTS	NO. VISITS	TOTAL VISITS
Surgery	1,480	3,368	4,848
Genito Urinary	1,007	2,994	4,001
Stomach	571	1,049	1,620
Nose and Throat	545	1,156	1,701
Skin	491	1,246	1,737
Gynecology	690	2,258	1,948
Neurology	451	1,294	1,745
General Medicine	1,526	2,713	4,239
Children	642	927	1,569
Eye and Ear	612	1,077	1,689
Orthopedics	70	34	104
	8,085	17,116	25,201

B. S. HANNA, M.D.,
Resident Physician.

LABORATORIES.

ANATOMICAL LABORATORIES.

These laboratories are in charge of Dr. Smith and his assistants. The University has recently built its own storage and embalming plant, which supplies an abundance of anatomical material. Dissecting tickets must be countersigned as evidence of satisfactory dissecting. Anatomical material is furnished in abundance, free of charge.

CHEMICAL LABORATORY.

The Chemical Laboratory is under the supervision of Dr. Simon, aided by the Demonstrators. Each student during his course has assigned him a table and is fully supplied, with all necessary apparatus and chemicals, free of charge, except for breakage, which is charged at cost price.

Students of the first year's class will be required to devote six hours weekly to work in this department.

LABORATORY OF EXPERIMENTAL PHYSIOLOGY.

This laboratory occupies the first floor of Gray Laboratory; it includes a large student laboratory, with capacity of forty students, a room completely equipped for mammalian experimentation, a stock-room, and an office for the professor in charge. Within the same building there is an animal room in which there is kept a constant supply of material for experimentation and demonstration. The laboratory is equipped with ample apparatus: there is a complete set of student apparatus available for each group of two students, while the special apparatus for laboratory experimentation and class-room demonstration is adequate for the needs of the courses.

LABORATORY OF PHYSIOLOGICAL CHEMISTRY.

The second year class is given practical instruction in the chemistry of the sugars and proteins as well as a detailed course in the chemistry of the various secretions. The experiments performed by each student are adapted to illustrate not only the physiological but also the pathological conditions which may result in various diseases from perverted metabolism. The chemistry of the food stuffs and its practical bearing upon diet is especially dwelt upon.

The course is essentially practical, only including so much theoretical physiology as is necessary for a proper knowledge of the subject. Graduates and advanced students competent to undertake such work, who desire to pursue special chemical investigation, are given the opportunity under suitable regulations.

LABORATORY OF HISTOLOGY AND EMBRYOLOGY.

This laboratory is fully equipped for teaching Histology and Embryology.

There is a large collection of charts, specimens and apparatus used in teaching. The necessary equipment for the practice of technique is provided.

LABORATORIES OF PATHOLOGY AND BACTERIOLOGY.

The subject of special bacteriology is taught during a portion of the second year in a well equipped laboratory containing sterilizers, water baths, and other necessary equipment for this purpose.

The subject of histopathology is also taught during the second year in a properly equipped laboratory. The details concerning this work are described under the subject of Department of Pathology and Bacteriology.

The instruction in gross pathology is obtained during the third year by attendance upon the autopsies at the University Hospital, the Mercy Hospital, and the Maryland General Hospital, and special instruction in this subject is also given by demonstrations with a large amount of pathological material at the City Hospitals situated at Bay View. The subject of gross pathology is also taught in the third year by means of lectures and demonstrations to sections of the third year class and a special effort is made to apply this subject to the explanation of the symptoms and clinical signs of disease. The instruction in autopsy technique is also given personally to small groups of students.

LABORATORIES OF CLINICAL PATHOLOGY.

These laboratories are fully equipped for the study of practical laboratory work in its relationship to clinical medicine. Each student is supplied with a locker, containing a microscope and sufficient apparatus for any ordinary examination.

The wards and out-patient departments of the hospitals furnish an abundance of material for study.

By reason of individual equipment, much work outside of class hours is expected of the student.

The class rooms are adequately lighted, and are conveniently situated for teaching purposes.

LIBRARIES.

The University Library, founded in 1813 by the purchase of the collection of Dr. John Crawford, now contains 13,148 volumes, a file of 80 current journals, and several thousand pamphlets and reprints. During the year ending June 1, 1916, 538 volumes were added. It is well stocked with recent literature, including books and periodicals of general interest. The home of the Library is Davidge Hall, a comfortable and commodious building in close proximity to the class rooms and the laboratories of the Medical Department. The Library is open daily during the year, except in August, for use of members of the Faculty, the students, and the profession generally.

Other libraries of Baltimore are the Peabody (181,000 volumes), the Enoch Pratt Free Library (280,000 volumes) and the Library of the Medical and Chirurgical Faculty. The last named library receives the leading medical publications of the world and complete sets of many journals are available.

The libraries are open to students of the Medical School without charge.

The proximity of Washington puts the immense libraries of the national capital at the disposal of students of this school.

THE MUSEUM.

The museum occupies a separate apartment in the main building. It is under the care of the curator, Dr. J. Holmes Smith and is assistants. It contains a large collection of anatomical preparations, plaster casts, charts, models, etc., used in teaching anatomy. It contains also a number of specimens of comparative anatomy. There is a large collection of gross pathological specimens and cut sections mounted for demonstration. For the department of obstetrics, there is an excellent collection of normal and abnormal human embryos.

PUBLICATIONS.

Two monthly journals are published by the University. *The University Gazette* is devoted to the interests of the entire University and is published under the auspices of the General Alumni Association. *The Bulletin of the University of Maryland School of Medicine and College of Physicians and Surgeons* is the publication of the Medical School. Dr. Nathan Winslow is editor.

ANNUAL APPOINTMENTS.

On February first of each session the following annual appointments are made from among the graduates of the school.

TO THE UNIVERSITY HOSPITAL.

Medical Superintendent.
Six Resident Surgeons
Four Resident Physicians.
Two Resident Gynecologists.
Two Resident Pathologists.
Three Resident Obstetricians.

A number of students are appointed each year, at the close of the session, as Clinical Assistants in the University Hospital for the summer months.

TO THE MERCY HOSPITAL.

Medical Superintendent.
Six Resident Surgeons.
Five Resident Physicians.
One Resident Gynecologist.
One Resident Obstetrician.
Two Accident Service Residents.
One Ambulance Surgeon.

TO THE MARYLAND GENERAL HOSPITAL.

Medical Superintendent.
Ten Resident Physicians.

This hospital has a rotating service. Each resident serves a term in every department, including the pathological laboratory, and Maryland Lying-In Hospital.

Many appointments to other hospitals of Baltimore are made annually, to which graduates of this school are eligible.

Each student in the fourth year class is required to spend one trimester as resident clinical assistant in the University Hospital without extra charge.

PRIZES.

Faculty Prize—To stimulate study among the candidates for graduation, the Faculty offers a Gold Medal to the candidate who passes the best general examination. Certificates of Honor are awarded to the five candidates standing next highest.

REQUIREMENTS FOR MATRICULATION.

Admission to the course in medicine is by a completed Medical Student Certificate issued by the Board of Medical Examiners of Maryland. This certificate is obtained from Prof. Isaac L. Otis, the Entrance Examiner of the Board, on the basis of satisfactory credentials, or by examination, or both, and is essential for admission to any class.

The requirements for the issue of the Medical Student Certificate are those prescribed by the rules of the Association of American Medical Colleges, of which Association this Faculty is a member, and comprise:

(A) The completion of a standard four-year high school course, or its equivalent, and, in addition,

(B) One year of college credits in chemistry, biology, physics and French or German.

(A) THE HIGH SCHOOL REQUIREMENT.

(1) A diploma and transcript of record from a fully accredited high school, normal school or academy requiring for admission evidence of the completion of a standard course in primary and intermediate grades and for graduation, the completion of a standard four-year high school course, embracing two years (2 units) of mathematics, two years (2 units) of English, two years (2 units) of a foreign language, one year (1 unit) of American History and Civics and seven years (7 units) of further credit in language, literature, history or science, making the total of units at least fourteen; or,

(2) An examination in the following branches totaling 14 units:

(1) Required, 7 units.

	Units.
Mathematics—(Minimum 2 years; maximum 3 years) Algebra and Plane Geometry	2
English—(Minimum 2 years; maximum 4 years)	2
A Foreign Language—(Minimum 2 years; maximum 4 years)	2
U. S. History	1
Total required units	7

(2) Elective, 7 units. To be selected from the following:

English	1
Mathematics, Algebra, Solid Geometry, Trigonometry	1½
Latin, Greek, German, French, Spanish, Scandinavian	13
History (foreign)	3
Science, Botany, Zoology, Chemistry, etc.	5
Agriculture	1
Drawing	1
Manual Training	1
Domestic Science	1
Music	1
	28½

One unit in any subject is the equivalent of work in that subject for four or five periods per week for a year of at least thirty-six weeks, periods to be not less than forty-five minutes in length. One unit is equivalent to 2 semester credits or 2 points.

(B) THE COLLEGE REQUIREMENT.

a. The preliminary college year shall extend through one college session of at least thirty-two weeks of actual instruction, including final examinations.

b. In excellence of teaching and in content, the work of this preliminary college year shall be equal to the work done in the freshman year in standard colleges and universities.

c. This preliminary college year shall include courses in physics, chemistry, biology and German or French, each course to embrace at least eight semester hours of didactic and laboratory work in each subject as shown in the schedule below, provided that a student may satisfy the requirement of physics in presenting one unit of high school physics and completing a half year of college physics which continues and does not duplicate the work done in the high school.

Provided also, that a student may satisfy the requirement of French or German by presenting two units of regular high school work in either language and completing a half year of college work in that language, which continues and does not duplicate the work

done in the high school, or by presenting three units of regular high school work in French or German.

In the administration of the entrance requirements of the preliminary college year conditions may be allowed until September 1917, amounting to not more than one-half of the requirement in physics and one-half of the requirement in a modern language.

Schedule

SUBJECT	LECTURES OR RECITATIONS PER WEEK	LABORATORY PERIODS PER WEEK	TOTAL HOURS PER SEMESTER	TOTAL SEMESTER HOURS PER YEAR
Physics (1)	2	2	4	8
Chemistry (1)	2	2	4	8
Biology (1)	2 or 3	2 or 1	4	8
German or French (2)	4 or 3		4 or 3	8 or 6
Total	10	6 or 5	16 or 15	32 or 30

Each laboratory period must extend over at least two hours.

Or, expressed in class hours

SUBJECT	TOTAL HOURS LECTURES OR RECITATIONS	TOTAL HOURS LABORATORY WORK	TOTAL MINIMUM HOURS DIDACTIC AND LABORATORY
Physics (1)	64	128	192
Chemistry (1)	64	128	192
Biology (1)	64 or 96	128 or 64	128 or 160
German or French (2)	128 or 96		128 or 96
Total	320	384 or 320	704 or 640

All such conditions shall be removed before registration for the second year.

The valuation of credentials can be made by the Entrance Examiner only, and all students whose entrance qualifications are not clearly satisfactory, or whose certificates are not complete, are advised to obtain from him or from the Dean blank forms on which to prepare a full statement of their previous education, in advance to their coming to Baltimore. Such statements to be submitted to the Entrance Examiner for his advice as to the course to be pursued.

The Entrance Examiner for Maryland is Prof. Isaac L. Otis, Lombard and Greene Streets, Baltimore. To him must be submitted the credentials of all applicants, and by him is issued the certificate upon which the student is matriculated.

The student is earnestly advised to qualify himself under his State law, and, where such certificates are issued, to receive the medical students' certificate from the State authorities before entering upon his medical studies. By adopting this course difficulties may be avoided.

Graduates in Medicine desiring to take the Senior Course, without being candidates for the degree, and therefore without examination, may receive a certificate of attendance.

After January 1, 1918, two years of college work will be required for admission to the course in Medicine.

COMBINED COURSE IN ARTS AND MEDICINE.

St. John's College, Annapolis, Md., founded in 1696, is by contract of affiliation styled and recognized as the Department of Arts and Sciences of the University of Maryland.

Students who have completed the Junior Year in St. John's College and who have made an approved choice of electives may if they desire it do the entire work of the Senior Year in the Medical School of the University. If they successfully complete the work of the first medical year they are graduated with their class with the degree of A.B., from St. John's College.

By taking advantage of this privilege a man may complete the Undergraduate and Medical courses in seven years.

During three of these years or until he has completed the work of the Junior class he is a resident student in St. John's College and for four years he is a resident in the Medical School in Baltimore.

At the end of the fourth year he receives the A.B. degree, and at the end of the seventh year the M.D. degree, but credit from the Medical School cannot be accepted in subjects for which credit has already been given in the College of Liberal Arts.

In order to meet the increased requirements for matriculation taking effect January 1, 1914, a special Pre-Medical Course in Chemistry, Physics, Biology and French or German is now offered in St. John's College.

GRADUATES OF PHARMACY.

Graduates of recognized Colleges of Pharmacy will be given credit for the work which they have done in Chemistry and Materia Medica and will be excused from the lectures, laboratory work and recitations upon these subjects in the Freshman Year. The fee for the Freshman Year to Graduates of Pharmacy will be $125.

RULES.

1. Tickets for practical anatomy must be countersigned by the proper demonstrators. Unless properly countersigned, a ticket will not be accepted as evidence of a completed course.

2. All students are required to stand the spring examinations unless excused by the Dean. No student will be permitted to enter the third-year class who has not completed all first-year work, and no student will be permitted to enter the fourth-year class who has not completed all second-year work, nor shall a student be advanced from a lower to a higher class if he is conditioned in more than one major and one minor subject.

3. The graduation fee, which is $30, must be deposited with the Dean before the candidate can be admitted to final examination. This fee is returned in case the examination is unsuccessful.

4. Should a student be required to repeat any year in the course he must pay regular fees.

5. A student failing in final examination for graduation at the end of the fourth year will be required to repeat the entire course of the fourth year and to take examinations in such other branches as may be required, should he be again permitted to enter the school as a candidate for graduation.

6. Students are required to pay for breakage and to make a deposit on this account. The unexpended balance will be returned at the end of the session.

7. The general fitness of a candidate for graduation will be taken into consideration by the Faculty as well as the results of his final examination.

Al the above rules, as well as the fees stated be'ow, relate to the year ending June 1, 1917, only. The right is reserved to make changes in the curriculum, requirements for graduation, fees and all the regulations whenever the Faculty deem it expedient.

FEES.

Matriculation fee (paid each year)	$5.00
Tuition fee (each year)	165.00
Graduation fee	30.00

There are no extra charges for instruction in any department, or for laboratory courses, except for breakage, and in special cases for materials consumed.

Tuition fees are due and payable during October, and if the entire amount is paid at the Dean's office before November 1, the tuition fee for that year will be $160.

The above fees apply to all students who matriculate in this institution for the first time, in any class, for the session beginning October 1, 1915.

Students who have already attended one or more full courses of instruction in this institution will be entitled to complete the course in medicine at the current rates in force at the time of their first full course of lectures in this institution.

Fees for individual courses not less than $25 each.

SCHOLARSHIPS.

The Dr. Samuel Leon Frank Scholarship.

This scholarship, established by Mrs. Bertha Rayner Frank as a memorial of the late Dr. Samuel Leon Frank, an alumnus of this University, entitles the holder to exemption from the payment of the tuition fee of that year.

It is awarded by the Trustees of the Endowment Fund of the University in each year upon nomination of the Faculty of Physic, "to a medical student of the University of Maryland, who in the judgment of said Faculty, is of good character, and in need of pecuniary assistance to continue his medical course."

This scholarship is awarded to a second, third or fourth year student only, who has successfully completed one year's work in the medical course, and no student may hold such scholarship for more than two years.

The Charles M. Hitchcock Scholarships.

From a bequest to the School of Medicine by the late Charles M. Hitchcock, M.D., an alumnus of the University, two scholarships have been established which entitle the holders to exemption from payment of tuition fees for the year.

These scholarships are awarded annually by the Faculty of Physic to students who have meritoriously completed the work of at least the first year of the course in medicine, and who present to the Faculty satisfactory evidence of good moral character, and of inability to continue the course without pecuniary assistance.

The Randolph Winslow Scholarship.

This scholarship, established by Prof. Randolph Winslow, M.D., LL.D., entitles the holder to exemption from the payment of the tuition fee of that year.

It is awarded annually by the Trustees of the Endowment Fund of the University, upon nomination of the Faculty of Physic, to "a needy student of the Senior, Junior, or Sophomore Class of the Medical School.

"He must have maintained an average grade of 85% in all his work up to the time of awarding the scholarship.

"He must be a person of good character and must satisfy the Faculty of Physic that he is worthy of and in need of assistance."

The University Scholarship.

This scholarship, which entitles the holder to exemption from payment of the tuition fee of the year, is awarded annually by the Faculty of Physic to a student of the Senior Class who presents to the Faculty satisfactory evidence of good moral character, and that he is worthy of and in need of assistance to complete the course.

The St. John's Scholarship.

This scholarship is awarded annually by the Faculty of Physic upon the nomination of the President of St. John's College.

It entitles the holder to exemption from the payment of the tuition fee of that year.

NOTICE TO STUDENTS

The personal expenses of students are at least as low in Baltimore as in any large city in the United States. The following estimates of student's personal expenses for the academic year of eight months have been prepared by students, and are based upon actual experience:

Items.	Low.	Average.	Liberal.
Books	$ 18	$ 32	$ 50
College Incidentals		5	10
Board, eight months	96	112	128
Room rent	48	65	80
Clothing and washing	35	50	100
All other expenses	10	20	75
Total	$207	$284	$443

Students will save time and expense upon their arrival in the city by going direct to the School of Medicine on the University grounds, N.E. corner of Lombard and Greene Streets, where the Superintendent of Buildings, who may be found at his office on the premises, will furnish them with a list of comfortable and convenient boarding houses suitable to their means and wishes.

The Dean will, if desired, attend to the collection of checks and drafts for students.

For further information apply to either

J. M. H. Rowland, M. D., *Dean*,
Caleb Winslow, A.M., *Registrar*.
Lombard and Greene Streets.

ORGANIZATION OF THE CURRICULUM.

The following curriculum is the result of a recent and thorough revision of teaching in this school in order to meet modern requirements. The multiplication of specialties in medicine and surgery necessitates a very crowded course and the question of electives is one which very soon will be depended on to solve some of the difficulties.

The curriculum is organized under ten departments.

1. Anatomy (including Histology and Embryology).
2. Physiology.
3. Chemistry including Physiological Chemistry.
4. Materia Medica and Pharmacology.
5. Pathology and Bacteriology.
6. Medicine (including Medical Specialties).
7. Surgery (including Surgical Specialties).
8. Obstetrics.

9. Gynecology.
10. Ophthalmology and Otology.

The instruction is given in four years of graded work.

Several courses of study extend through two years or more, but in no case are the students of different years thrown together in the same course of teaching.

The first and second years are devoted largely to the study of the structures and functions of the normal body and laboratory work occupies most of the student's time during these two years.

Some introductory instruction in Medicine and Surgery is given in the second year. The third and fourth years are almost entirely clinical.

A special feature of instruction in the school is the attempt to bring together teacher and student in close personal relationship. In many courses of instruction the classes are divided into small groups and a large number of teachers insures attention to the needs of each student.

In many courses the final examinations as the sole test of proficiency has disappeared and the student's final grade is determined largely by partial examinations, recitations and assigned work carried on throughout the course.

ARRANGEMENT OF CLASSES.

All the teaching of the freshman class is done at Calvert and Saratoga Streets. All the teaching of the sophomore class is done at Lombard and Greene Streets.

The junior class has two hours of didactic teaching each morning. For clinical instruction and laboratory work this class is divided into two sections and the year into semesters. Each section will work for one semester at the University Hospital and one semester at Mercy Hospital.

The senior class is divided into three sections and for this class the year is divided into trimesters. Each section receives clinical instruction for one trimester in the University Hospital, Mercy Hospital and the Maryland General Hospital. Each section when assigned to the University Hospital will be given rooms adjacent to the hospital without additional charge. In the afternoon the whole class is assembled and has two hours of didactic teaching each day.

This distribution of the classes is made in order to utilize to the best advantage the laboratory space and to bring the students into

daily contact with patients in all three of the large hospitals and dispensaries.

DEPARTMENT OF ANATOMY INCLUDING HISTOLOGY AND EMBRYOLOGY.

J. Holmes Smith, M.D.....Professor of Anatomy
A. C. Pole, M.D.....Professor of Descriptive Anatomy
Tilghman B. Marden, A.B., M.D.
Professor of Histology and Embryology and Assistant in Anatomy
J. W. Holland, M.D.....Associate Professor of Anatomy
J. L. Wright, M.D.....Associate in Anatomy and Histology
Fred. Rankin, A.M., M.D.....Assistant in Anatomy
F. L. Jennings, M.D.....Assistant in Anatomy
Wm. R. Geraghty, M.D.....Assistant in Anatomy

First Year. Didactic. Three hours each week for thirty-two weeks.

This course embraces the integuments, myology, angiology, osteology, syndesmology and the peripheral nerves.

Laboratory. Ten hours each week for thirty-two weeks. Abundance of good material is furnished and the student is aided in his work by competent demonstrators. Examinations are held at regular intervals throughout the session, and each student will be held to strict account for material furnished him.

Osteology. Two hours each week for thirty-two weeks. Lectures, demonstrations, and recitations. Each student is furnished a skeleton and a deposit is required to insure its return at the end of the session.

Second Year. *Didactic.* Three hours each week for thirty-two weeks. Lectures, recitations and conferences.

Laboratory. Ten hours each week for sixteen weeks. This course includes topographical and applied anatomy of the body cavities and viscera and the cerebro-spinal and sympathetic nervous systems with special demonstrations of important subjects to the class in small sections.

The teaching of anatomy is illustrated by means of charts, diagrams, special dissections and the projection apparatus.

Histology.

First Year. Lectures, recitations and laboratory work, nine hours each week during first semester; three hours each week during second semester. The most important part of the work will be

done in the laboratory, where each student will be provided with a microscope, apparatus, staining fluids and material necessary for the preparation of specimens for microscopical examination. An important aid to the course is the projection microscope which is used for the projection upon a screen of magnified images of the specimens actually used in the laboratory.

Embryology.

Lectures, recitations and laboratory work; six hours each week during the second semester.

This course includes the study of the development of the chick, and the fundamental principles of mammalian embryology. In the laboratory, the hen's egg will be studied in its various stages of development, and sections of the chick at different periods of incubation will be made and studied microscopically. The latter part of the course will be devoted to the study of sections through different regions of a mammal.

DEPARTMENT OF PHYSIOLOGY.

John C. Hemmeter, M.D., Ph.D., Sc.D., LL.D.....Professor of Physiology
Bartgis McGlone, A.B., Ph.D.....Professor of Physiology
Charles C. Conser, M.D.....Associate Professor of Physiology
G. W. Hemmeter, M.D.....Associate in Physiology
Firmadge K. Nichols, A.B., M.D.....Associate in Physiology
Henry T. Collenberg, A.B., M.D.....Associate in Physiology

The course in Physiology extends throughout the First and Second Years. It consists of a series of lectures, covering the field of human physiology, laboratory work, demonstrations, and frequent recitations. It is constantly in the mind of the department that this course is introductory to the study of medicine. The recitations cover the subject-matter of the lectures and the experiments performed in the laboratory.

First Year. 1. This course includes lectures and recitations upon the physiology of the blood and circulation, muscle and nerve, a portion of the central nervous system, and special senses, and such chemical and physical facts as are necessary for a proper understanding of the physiology taught. Two lectures and a recitation weekly throughout the year. Dr. McGlone.

Second Year. 2. *Didactic instruction.* During this year the remaining topics of physiology are covered by lectures and demon-

strations. As in the first year frequent recitations will be held. The subject-matter includes the physiology of respiration, digestion and secretion, nutrition, eye and ear, and the cranial central nervous system. Lectures, demonstrations, and recitations, three hours per week. Dr. Hemmeter, assisted by Drs. Conser or McGlone.

3. *Experimental Physiology.* This is a laboratory course in the dynamics of muscle and nerve, studies in circulation and respiration, and physiology of the special senses. Apart from the acquisition of the facts of physiology, the student is taught to observe accurately, record carefully the results of his observations, and from these results draw an independent conclusion. He is also trained in the use of instruments which are of value to him in his clinical years. Three hours weekly throughout the year. Drs. McGlone, Conser, Nichols and Collenberg.

4. *Special Mammalian Physiology.* This is a Laboratory course intended for advanced Laboratory students (optional) who may wish to do special work in this line of physiology. Hours to be arranged. Dr. McGlone.

5. *Research in Physiology.* Properly qualified students will be admitted to the laboratory which is well adapted for post-graduate study and special research. Hours will be arranged to suit individuals. Dr. John C. Hemmeter.

DEPARTMENT OF CHEMISTRY.

Charles E. Simon, A.B., M.D.....Professor of Physiological Chemistry
G. Howard White, A.B., MD. Associate Professor of Physiological Chemistry
E. F. Kelly, Phar.D.....Associate Professor of Chemistry
H. Boyd Wylie, M.D.....Associate Professor of Physiological Chemistry

First Year *Organic Chemistry.* 1. Lectures and Recitations; two hours per week throughout the session.

The method adopted for the study of carbon compounds is to lead the student from the consideration of the most simply constituted bodies to those of more and more complex composition. Much stress will be laid on the reasons which justify the adoption of the prevalent views in regard to the structure of carbon compounds. During the study of the various groups those substances which are of more general interest to the medical student will be specially considered.

2. Laboratory work Four hours per week during the session.

A course of carefully selected experiments, performed by the student in the laboratory serves to impart a clear idea of the mani-

fold changes which organic compounds undergo. He learns here much by witnessing the actual building up of complex carbon compounds by synthetical methods and sees the breaking down of others into simpler forms of matter.

SECOND YEAR. *Organic and Physiological Chemistry.* 1. Lectures and recitations. One hour per week throughout the session.

This course includes the study of general organic chemistry with special attention to the more important carbon compounds which are of particular importance to the student of medicine, with reference to their relations to physiology, pathology and clinical medicine.

2. Laboratory Work. Six hours per week for one semester.

This includes a study of the properties of the food stuffs, their decomposition and metabolic products, digestion, the blood, chemistry of the secretions and excretions, and the various abnormal compounds resulting from perverted metabolism. The student will be expected to familiarize himself with the manipulation of the apparatus in use in the study of the various secretions, excretions and fluids of the body.

DEPARTMENT OF MATERIA MEDICA AND PHARMACOLOGY.

SAMUEL J. FORT, M.D.....Professor of Materia Medica and Pharmacology
H. L. SINSKEY, M.D.....Associate in Materia Medica
H. BOYD WYLIE, M.D.....Associate in Pharmacology

FIRST YEAR. Two hours per week throughout the session, didactic lectures on Materia Medica. Dr. Fort.

A laboratory course in Pharmacy and prescription writing, two hours per week. Dr. Sinsky.

SECOND YEAR. Two hours per week throughout the session on Pharmacology. Dr. Fort.

A laboratory course of two hours per week throughout the session, on the physiological and toxicological action of the more important drugs. Dr. Wylie.

DEPARTMENT OF PATHOLOGY AND BACTERIOLOGY.

WM. ROYAL STOKES, M.D.....Professor of Pathology and Bacteriology
STANDISH McCLEARY, M.D.....Professor of Pathology
H. R. SPENCER, M.D...Associate Professor of Pathology and Bacteriology
WM. GREENFELD, M.D....Associate Professor of Pathology and Bacteriology
CALEB W. G. ROHRER, A.M., M.D., PhD...Associate Professor of Pathology
HARRY W. STONER, M.D.....Associate in Pathology and Bacteriology
FRANK W. HACHTEL, M.D.....Associate in Bacteriology

Instruction in histopathology and in special bacteriology is given in the laboratories to the students of the second year The course in histopathology includes the demonstrations of the common lesions of the various viscera, and the subject of general pathology including inflammation, degeneration and infiltration and tumors. The typical gross lesions are also exhibited during this course.

In special bacteriology the various methods of sterilization and preparation of culture material, the study of the pathogenic micro-organisms both of animal and vegetable origin, and the bacteriological study of milk, water, sewage and other such materials, are given. The bacteriological diagnosis of the infectious diseases is also included in this course. Animal inoculations and autopsies are performed in connection with the bacteria studied, and the diagnoses by means of serum reactions are also given.

In the third year the subject of gross pathology is taught by means of museum specimens to groups of students, and the special relationship of gross and microscopic lesions to clinical symptoms and signs of disease is especially emphasized. Autopsy technique is also taught to small groups of students by special instruction at the autopsies performed at the various hospitals, and the specimens obtained at such autopsies are demonstrated to the entire class. Vaccine therapy and the animal parasites are also taught in this year.

In the fourth year the specimens from autopsies are studied with reference to clinical histories and gross and microscopic anatomy. Special emphasis is laid upon the correlation of the anatomical findings with the clinical symptoms and diagnosis. The demonstrations are also illustrated with sections of fixed material by means of lantern slides.

Courses in surgical and gynecological pathology are also given to the fourth year students, but these courses are under the direction of the Departments of Surgery and Gynecology.

MEDICAL JURISPRUDENCE AND HYGIENE.

Nathaniel G. Keirle, A.M., M.D., Sc.D., LL.D.
Professor of Medical Jurisprudence
Joseph T. Smith, M.D.....Professor of Hygiene

Second Year. One hour each week for entire session.

Medical Jurisprudence. This course embraces consideration of medical evidence and testimony, confidential communications, malpractice, indications of death, pregnancy, delivery, infanticide and insanity.

CLINICAL INSTRUCTION.

DEPARTMENT OF SURGERY.

RANDOLPH WINSLOW, A.M., M.D., LL.D. ..... Professor of Surgery
ARTHUR M. SHIPLEY, M.D. ..... Professor of Surgery
RIDGELY B. WARFIELD, M.D. ..... Professor of Surgery
JOHN W. CHAMBERS, M.D., Sc.D. ..... Professor of Surgery
ARCHIBALD C. HARRISON, M.D. ..... Professor of Surgery
FRANK MARTIN, B.S., M.D. .. Professor of Clinical and Operative Surgery
J. D. BLAKE, M.D. ..... Professor of Clinical Surgery
ALEXIUS MCGLANNAN, A.M., M.D.
Professor of Clinical Surgery and Surgical Pathology
JOSEPH H. BRANHAM, M.D. ..... Professor of Clinical Surgery
ALBERT T. CHAMBERS, M.D. ..... Professor of Clinical Surgery
JOHN G. JAY, M.D. ..... Clinical Professor of Surgery
NATHAN WINSLOW, A.M., M.D. ..... Clinical Professor of Surgery
ALFRED ULLMAN, M.D. ..... Clinical Professor of Surgery
WALTER D. WISE, M.D. ..... Clinical Professor of Surgery
JOSEPH W. HOLLAND, M.D. ..... Associate Professor of Clinical Surgery
WILLIAM W. REQUARDT, M.D. ..... Associate Professor of Surgery
J. C. LUMPKIN, M.D. ..... Associate Professor of Clinical Surgery
H. C. BLAKE, M.D. ..... Associate Professor of Clinical Surgery
ROBERT P. BAY, M.D. ..... Associate Professor of Clinical Surgery
FRANK S. LYNN, M.D. ..... Associate Professor of Surgery
ELLIOTT H. HUTCHINS, A.M., M.D. ..... Associate Professor of Surgery
THOMAS R. CHAMBERS, A.B., M.D. ..... Associate Professor of Surgery
HARVEY B. STONE, A.B., M.D. ..... Associate Professor of Surgery
R. W. LOCHER, M.D. ..... Associate Professor of Operative and Clinical Surgery
ARTHUR G. BARRETT, M.D. ..... Associate in Surgery
FRANK J. KIRBY, M.D. ..... Associate in Surgery
FRED RANKIN, A.M., M.D. ..... Associate in Surgery
B. M. BERNHEIM, A.B., M.D. ..... Lecturer on Blood Vessel Surgery
HOWARD D. LEWIS, M.D. ..... Instructor in Surgery
F. L. JENNINGS, M.D. ..... Instructor in Surgery
A. M. EVANS, M. D. ..... Assistant in Surgery

The course in surgery is progressive, and aims to ground the student firmly in the principals of surgical science in order that later he may be prepared to build upon a firm foundation the superstructure of surgical art.

SECOND YEAR. During this year a practical course of bandaging is given upon the manikin; the student being required to apply personally the various forms of bandages to the different parts of the body.

THIRD YEAR. Surgical Pathology and Principles of Surgery.

Lectures, recitations and clinics, three hours weekly. Drs. Shipley and Warfield.

The class is divided in sections and receives instruction in history taking, gross surgical pathology and surgical diagnosis at the bedside and in the dead house in the City Hospitals at Bay View. Drs. Shipley and Lynn.

Operative Surgery. Instruction is given in operative surgery upon the cadaver and on dogs. The class is divided into sections and each section is given practical and individual work under the supervision of the instructors.

This course begins with the study of the general principles of operative surgery; anaesthesia, asepsis, antisepsis, description of instruments and sutures, etc.

The various operations are first described and demonstrated by the instructor, and the student afterward practices them upon the subject.

The entire subject of operative surgery is fully covered. Dr. Martin and assistants.

The class will be divided into small sections for Dispensary service in the University and Mercy Hospitals.

FOURTH YEAR. *Fractures and Dislocations.* Illustrated by charts, drawings, specimens, X-ray demonstrations, lantern slides, and the balopticon, two hours a week for the first semester. Dr. Winslow.

Surgery of the Blood Vascular System, Hernia, Surgery of the Scrotum and its contents, one hour a week for the first semester. Dr. Warfield. At the end of this semester, an examination will be given.

Surgery of the Thorax and Thoracic Wall and of the Abdominal Cavity, two hours a week for the second semester. Dr. Harrison.

Surgery of the Head, Neck, and Spinal Cord, one hour a week for the second semester. Dr. Chambers.

Surgical Clinics. Surgical clinics will be given at the University, Mercy, and Maryland General Hospitals, weekly, to one third of the class in each hospital. Drs. Winslow, Warfield, Chambers, and Harrison.

The class is divided into sections for ward instruction in surgery, for instruction in operative surgery and snrgical diagnosis, and the post-operative treatment of surgical conditions, six days a week for two hours each day in each of the three hospitals. Drs. Winslow, Shipley, Warfield, Chambers, Harrison, Martin and McGlannan.

ANAESTHESIA.

S. Griffith Davis, M.D.....Associate Professor of Anaesthesia
Frank S. Lynn, M.D.....Associate Professor of Anaesthesia
Fred Rankin, A.M., M.D.....Associate in Anaesthesia
Samuel W. Moore, D.D.S.....Instructor in Anaesthesia
A. M. Evans, M.D.....Instructor in Anaesthesia

The administration of anaesthetics is taught didactially and practically and students are required to administer anaesthetics under the direction of an instructor.

DERMATOLOGY.

T. Caspar Gilchrist, M.R.C.S.,L.S.A.,M.D.....Professor of Dermatology
Melvin Rosenthal, M.D.....Associate Professor of Dermatology
John R. Abercrombie, A.B., M.D .....Associate Professor of Dermatology
L. W. Ketron, A.B., M.D.....Associate Professor of Dermatology
Harry M. Robinson, M.D.....Demonstrator of Dermatology

Clinical conference one hour each week to entire class. This course will consist of demonstrations of the common diseases of the skin. Drs. Gilchrist and Rosenthal.

Dispensary instruction, University Hospital, Mondays, Wednesdays and Fridays in the diagnosis and treatment of the common skin diseases. First trimester, Dr. Ketron; second trimester, Dr. Abercrombie; third trimester, Drs. Abercrombie and Ketron. Dispensary instruction, Mercy Hospital, Dr. Rosenthal.

ORTHOPEDIC SURGERY.

R. Tunstall Taylor, A.B., M.D.....Professor of Orthopedic Surgery
Albertus Cotton, A.M., M.D.....Professor of Orthopedic Surgery
Compton Riely, M.D.....Clinical Professor of Orthopedic Surgery
Sydney M. Cone, A.B., M.D.....Clinical Professor of Orthopedic Surgery
Henry J. Walton, M.D.....Associate in Roentgenology
W. H. Daniels, M.D.....Demonstrator in Orthopedic Surgery
John Evans, M.D.....Instructor in Roentgenology
C. Reid Edwards, M.D.....Assistant in Orthopedic Surgery
Louis A. Buie, A.B., M.D.....Assistant in Orthopedic Surgery

In this course didactic, clinical, bed-side and out-patient instruction will be given. This instruction is provided in the University Hospital Amphitheater and Dispensary, Maryland General and Mercy Hospitals and Dispensaries, Kernan Hospital and Industrial

School for Crippled Children at "Radnor Park," and in the Dispensary of same at 2000 North Charles Street.

The senior class will be divided into three parts, each section spending one trimester in the University, Mercy and Maryland General Hospitals in rotation; and by the avoidance of duplication, the subject will be adequately covered. Lectures, clinics and quizzes will be held at each of the three hospitals once a week. If possible, in addition, a weekly bed-side clinic will be held on Saturdays for small sections of the class at "Radnor Park."

The course will cover instruction in special methods and instruments required in this surgical specialty, including X-Ray technique; Wolff's law; tuberculosis of bones and joints; deformities of the feet; non-tuberculous deformities of the feet and joints; the paralyses; the bursal, tendinous and muscular conditions producing orthopedic affections; rickets; scurvy; osteomalacia; chondrodystrophies; wry-neck and the use and application of orthopedic apparatus.

DISEASES OF THE THROAT AND NOSE.

Samuel K. Merrick, M.D.....Professor of Diseases of the Throat and Nose
John R. Winslow, A.B.,M.D., Professor of Diseases of the Throat and Nose
Frank Dyer Sanger, M.D.....Professor of Diseases of the Throat and Nose
George W. Mitchell, M.D.
Associate Professor of Diseases of the Throat and Nose
H. C. Davis, M.D...Associate Professor of Diseases of the Throat and Nose
George Murgatroyd, M.D....Associate in Diseases of the Throat and Nose
William Caspari, M.D.....Associate in Diseases of the Throat and Nose
H. L. Sinskey, M.D.....Assistant in Diseases of the Throat and Nose

Third Year. Clinical Lectures. One hour each week throughout the session. Drs. Merrick, John R. Winslow, and Sanger.

Fourth Year. Dispensary instruction daily in small sections at the University, Maryland General, and Mercy Hospitals. Ward classes one hour each week at the University, Maryland General, and Mercy Hospitals.

GENITO-URINARY DISEASES.

Gideon Timberlake, M.D.....Professor of Genito-Urinary Diseases
Page Edmunds, M.D.....Clinical Professor of Genito-Urinary Diseases
W. B. Wolf, M.D.....Associate Professor of Genito-Urinary Diseases
A. J. Underhill, A.B., M.D..Associate Professor of Genito-Urinary Diseases
Anton G. Rytina, A.B., M.D.
Associate Professor in Genito-Urinary Diseases

The course, which is entirely clinical, is taught chiefly by personal instruction in the dispensaries of the University, Mercy and Maryland General Hospitals, one trimester being spent at each hospital. The student assumes the responsibility of certain cases under the supervision of instructors.

The course includes the diagnosis, pathology and treatment of venereal diseases and syphilis together with a careful study of the less common genito-urinary diseases. The course includes instruction in urinalysis, in endoscopic and cystoscopic examinations and the use of other instruments for the diagnosis and treatment of genito-urinary diseases. Many minor operations are performed in the out-patient department by students under the supervision of the chiefs of clinic.

DISEASES OF THE COLON AND RECTUM.

G. Milton Linthicum, A.M., M.D.
Professor of Diseases of Rectum and Colon
Charles F. Blake, M.D.....Professor of Diseases of Rectum and Colon
J. Dawson Reeder, M.D.
Associate Professor of Diseases of Rectum and Colon
Ernest G. Marr, M.D.....Instructor in Diseases of Rectum and Colon

Fourth Year. This course is for instruction in diseases of the Colon, Sigmoid Flexure, Rectum and Anus.

One lecture a week throughout the year will be given in the Clinical Amphitheater of the Hospitals. The lecture will cover the essential features of the Anatomy and Physiology of the large intestine; as well as the various diseases to which it is subject. The importance of diseased conditions and malpositions of the intestines, in relation to systemic disturbances, will be emphasized by demonstrations.

In small groups, the students will be taken into the wards and dispensaries of the University, Mercy, and Maryland General Hospitals, where different phases of the various diseases will be taught by direct observation and examination. The use of the proctoscope and sigmoidoscope in examination of the rectum and sigmoid will be made familiar to each student.

A course in Proctoscopy will be given in the City Hospitals at Bay View, where abundance of material is always obtainable.

DEPARTMENT OF MEDICINE

Charles W. Mitchell, A.M., M.D.
Gordon Wilson, M.D.
Cary B. Gamble, Jr., A.M., M.D.
Julius Friedenwald, A.M., M.D.
Ernest Zueblin, M.D.
John S. Fulton, A.B., M.D.
Chas. G. Hill, A.M., M.D.
Joseph E. Gichner, M.D.
Irving J. Spear, M.D.
Edward N. Brush, M.D.
John Ruhräh, M.D.
Andrew C. Gillis, A.M., M.D.
Edgar B. Friedenwald, M.D.
Thomas W. Keown, AB., M.D.
Wm. I. Messick, M.D.
G. Howard White, A.B., M.D.
A. H. Carroll, M.D.
H. Boyd Wylie, M.D.
C. C. W. Judd, A.B., M.D.
J. E. Poulton, M.D.
H. D. McCarty, M.D.
John E. O'Neill, M.D.
G. F. Sargent, M.D.
J. Wesley Cole, M.D.
Frank W. Keating, M.D.
G. S. M. Kieffer, M.D.
J. F. Hawkins, M.D.
D. D. V. Stuart, Jr., M.D.
E. E. Mayer, M.D.
John S. Fenby, M.D.
E. Le Compte Cook, M.D.
Frank J. Powers, M.D.
Chas. B. Wheltle, M.D.
J. W. V. Clift, M.D.
L. M. C. Parker, M.D.
O. V. Linhardt, M.D.
F. E. Shipley, M.D.
John C. Hemmeter, M.D., Ph.D., Sc.D., LL.D.
William F. Lockwood, M.D.
Standish McCleary, M.D.
Chas. E. Simon, A.B., M.D.
Jose L. Hirsh, A.B., M.D.
Harry Adler, A.B., M.D.
Chas. O'Donovan, A.M., M.D., LL.D.
J. M. Craighill, M.D.
Chas. W. McElfresh, M.D.
Jas. A. Nydeger, A.M., M.D., Sc.D.
C. Hampson Jones, M.B., C.M., M.D.
G. Carroll Lockard, M.D.
Harvey G. Beck, M.D., D.Sc.
Pearce Kintzing, M.D.
E. B. Freeman, B.S., M.D.
J. Clement Clark, M.D.
Hubert C. Knapp, M.D.
H. J. Maldeis, M.D.
G. M. Settle, A.B., M.D.
T. Fred Leitz, M.D.
Wm. H. Smith, M.D.
J. Percy Wade, M.D.
R. C. Metzel, M.D.
Wilbur P. Stubbs, M.D.
W. Milton Lewis, M.D.
J. Harry Ullrich, M.D.
W. P. E. Wise, M.D.
H. U. Todd.
J. J. O'Mara, M.D.
B. S. Hanna, M.D.
Benjamin Pushkin, M.D.
C. W. Rauschenbach, M.D.
J. E. Brumback, M.D.
J. G. Stiefel, M.D.

PHYSICAL DIAGNOSIS.

Second Year. Didactic lectures and practical demonstrations in medical topography and the physical conditions in health, preparatory to the course in physical diagnosis in the third year. Two and one-half hours each week during the second semester.

Third Year. The class is divided into small groups, and each section receives instruction for the entire session in the medical dispensaries of the hospitals. During the second semester, the students under the supervision of instructors examine and treat patients in the medical dispensaries. During one semester small groups are sent for the afternoon to the city hospitals at Bay View for special instruction in history taking and physical diagnosis. Two hours a week throughout the year is devoted to physical diagnosis. Full class conferences one hour a week throughout the session.

CLINICAL PATHOLOGY.

Third Year. A laboratory course, supplemented by lectures and recitations is given throughout the year to the entire class. Four hours a week is devoted by each student to laboratory study with sufficient instructors to insure careful work. Each student is required to rent at a nominal figure a microscope which he is permitted to use where and when he likes, being encouraged to use the laboratories at other times than those required. This course is essentially practical, and the student is thoroughly trained in the chemical and microscopical study of the blood, urine, sputum, feces, and the physiological and pathological secretions and excretions.

Fourth Year. Four hours a week is devoted to advanced laboratory work with small groups in the special studies of the blood, etc., as required for blood cultures, Wassermanns, and other diagnostic methods. In addition, each student is required in his course in clinical medicine to do the necessary laboratory examinations of the patients assigned to him.

CLINICAL MEDICINE.

Third Year. Lectures and recitations on the principles of medicine, for three hours a week throughout the session. Clinical conference, one hour each week throughout the session.

Fourth Year. Lectures, recitations and clinics to the entire class three hours a week throughout the session.

A clinical pathological conference is held once a week throughout the session, at which the material obtained through operations or at autopsy is studied in relation to the clinical findings.

The whole class, divided between the three hospitals and again subdivided into small groups, receives bedside instruction twelve hours a week throughout the session and has the care of the hospital patients under the direct supervision of the hospital staff, making all examinations and keeping the clinical history of the patient.

During one trimester the student must live in the hospital dormitories, and in this manner receive experience as an intern.

Dispensary instruction is given nine hours a week in the specialties of medicine.

PEDIATRICS.

Third Year. Lecture recitation one hour a week throughout the session.

Fourth Year. Clinic recitation one hour a week throughout the year and in addition ward class instruction to small groups one hour a week during one trimester.

Dispensary instruction in pediatrics is given to small groups throughout the year.

THERAPEUTICS.

Physical Therapeutics. This course consists of weekly lectures and demonstrations on hydrotherapy, thermotherapy, massage, rest and exercise, the Weir Mitchell Treatment, radiotherapy and electrotherapeutics. The basic physiologic principles and actions of the above mentioned agencies are given full consideration and study, and the practical application is observed in the hospital and clinic and in visits to various institutions having well equipped departments for treatment by physical means.

Third Year. This course is supplementary to that on clinical medicine and an effort is made to familiarize the student with the practical treatment of disease. (One hour a week.)

Fourth Year. This subject is covered in conjunction with the teaching of clinical medicine.

GASTRO-ENTEROLOGY.

Fourth Year. Clinic recitation to each third of the class for one hour a week throughout the session. Dispensary instruction to small groups during part of the session. Practical instruction in the wards in the differential diagnosis of diseased conditions of the alimentary tract.

TUBERCULOSIS.

A practical course is given in the tuberculosis dispensary and at the Municipal Tuberculosis Hospital to small groups, the abundance of the material, both of "incipient" and "advanced cases" making this course of value in the practical recognition of the physical signs of the disease.

NEUROLOGY.

Third Year. Lectures and recitations one hour each week to entire class throughout the year. This course comprises the study of the anatomy and physiology of the nervous system, the method of neurological examination, and relationship of signs and symptoms to pathological conditions. The material at the University, Maryland General, and Mercy Hospitals is available.

Fourth Year. Clinical lectures and recitations; one hour each week throughout the entire session.

Clinical Conference, one hour each week to the entire class. This subject is taught at the University, Maryland General, and Mercy Hospitals. All cases presented at these clinics are carefully examined; complete written records are made by the students who demonstrate the cases before the class. These cases are usually assigned one or two weeks before they are presented, and each student in the class must prepare one or more cases during the year.

Ward Class Instruction. In small sections, two hours each week during entire year at the University, Maryland General, and Mercy Hospitals. In these classes the students come in close personal contact with the cases in the wards under the supervision of the instructor.

Dispensary Instruction. Small sections are instructed in the dispensaries of the University, Maryland General, and Mercy Hospitals four afternoons each week. In this way students are

brought into contact with nervous diseases in their earlier as well as later manifestations.

Electro Therapeutics. Instruction in the uses of the various types of electrical apparatus is given by lectures and demonstrations in the clinics, the ward classes, and the out-patient department.

PSYCHIATRY.

Fourth Year. This subject is taught by means of didactic and clinical lectures. Abundant material is at the command of this department in the various institutions which are presided over by the teachers in psychiatry. The student is brought into contact with the early manifestations of mental disease in the dispensaries of the University, Maryland General, and Mercy Hospitals, and in a series of clinics opportunity is afforded to observe the course and later manifestations of the disease, often in these same patients, at the Sheppard Enoch Pratt Hospital, Springfield State Hospital, Spring Grove State Hospital, Mount Hope Retreat, Maryland Training School for the Feeble Minded, and City Detention Hospital.

STATE MEDICINE.

Fourth Year. Lectures and demonstrations one hour each week to the entire class throughout the session.

The course in state medicine begins with a study of structure and function of the social organism, as revealed by the numerical analysis of population, births, deaths, sickness and migration. Elementary instruction and practice are given in vital statistics; in medical notification, registration and certification; and in the laws and ordinances concerning public health. The specific hygiene of the preventable diseases is next taken up, such choice being made as will familiarize the student with the epidemiology of the more important communicable diseases, and with the main instruments of prevention: notification, inspection, segregation, isolation, immunization and disinfection. The course is planned from the view point of official practice in public hygiene.

TROPICAL MEDICINE.

A course of lectures on tropical diseases was instituted in January, 1913, by Dr. James A. Nydegger of the U. S. P. H. Service.

One lecture is given each week to the members of the Senior Class, frequently by Government officials who are recognized authorities on diseases peculiar to the tropics.

DEPARTMENT OF OBSTETRICS.

L. E. Neale, A.M., M.D., LL.D.....Professor of Obstetrics
Geo. W. Dobbin, M.D.....Professor of Obstetrics and Gynecology
J. M. H. Rowland, M.D.....Professor of Obstetrics
Bernard Purcell Muse, M.D.....Professor of Clinical Obstetrics
Charles E. Brack, M.D.....Clinical Professor of Obstetrics
Glenn M. Litsinger, M.D.....Associate Professor of Obstetrics
J. K. B. E. Seegar, M.D.....Associate Professor of Obstetrics
H. S. Gorsuch, M.D.....Associate in Obstetrics
Maurice Lazenby, M.D.....Associate in Obstetrics
Emil Novak, M.D.....Associate in Obstetrics
J. McF. Bergland.....Associate in Obstetrics
H. N. Freeman, M.D.....Instructor in Obstetrics
M. E. Douglass, M.D.....Instructor in Obstetrics
Wm. B. Schapiro, M.D.....Assistant in Obstetrics

Third Year. Lectures and recitations two hours each week by Drs. Neale and Dobbin to entire class. Special obstetric and gynecologic pathology three hours each week by Drs. Brent and Lazenby to class sections in the Pathologic Laboratory. Clinical Obstetrics (bedside and manikin work) three hours each week at the University Hospital by Dr. Neale and his assistants, and at the Mercy Hospital by Drs. Brack, Litsinger, Lazenby and Novak.

Examinations, one at end of first semester and final one at end of the year. The results of these examinations considered in conjunction with the student's practical work, will determine the grade for the year's work, which grades, if sufficient to give student advanced standing, will count as one-half of the final grade in Obstetrics.

Fourth Year. *Lectures and Clinical Conferences.* Two hours each week to the entire class. Drs. Neale, Dobbin and Rowland.

Ward Classes and Operative Obstetrics (Manikin work). Four hours each week to sections of the class.

Students are required to attend obstetric cases before, during and after confinement in the University Hospital, Maryland Lying-In Hospital and Maryland Lying-In Asylum, as well as in the out-patient department conducted by each hospital. Each student

is required to conduct and make accurate records of at least twelve confinement cases. These out-patient cases are conducted under the supervision of post-graduate instructors, three in number, who devote their whole time to this work.

Mid-year and final examinations will be held, the results of which, considered in conjunction with clinical work and recitations, will make up the remaining half of the final grade.

This School is peculiarly fortunate in the clinical material available for this important branch of medical teaching; more than 2000 cases in the three hospitals and their out-patient departments make a practically inexhaustible clinic.

DEPARTMENT OF GYNECOLOGY.

William S. Gardner, M.D. ..... Professor of Gynecology
W. B. Perry, M.D. ..... Professor of Clinical Gynecology
J. Mason Hundley, M.D. ..... Professor of Clinical Gynecology
Hugh Brent, M.D. ..... Associate Professor of Gynecology
Abraham Samuels, M.D. ..... Associate Professor of Gynecology
E. H. Hayward, M.D. ..... Associate in Gynecology
Geo. A. Strauss, M.D. ..... Associate in Gynecology
R. G. Willse, M.D. ..... Demonstrator of Gynecology
W. K. White, M.D. ..... Instructor in Gynecology
R. L. Mitchell, M.D. ..... Instructor in Gynecology
H. S. Street, B.S., M.D. ..... Instructor in Gynecology
J. M. Fenton, M.D. ..... Assistant in Gynecology
Maurice Lazenby, A.B., M.D. ..... Assistant in Gynecology
L. H. Douglass, M.D. ..... Assistant in Gynecology

Third Year. *Didactic Work.* Lectures and recitations one hour each week throughout the session.

Laboratory. Special pathology, both gross and microscopical, studied in connection with the clinical history of each specimen, three hours each week for one semester.

Fourth Year. *Didactic Work.* Lectures and recitations one hour each week throughout the session.

Clinical Work. Six hours weekly for one trimester. In this course a student writes the clinical history of each patient in the ward, makes a general physical examination including the blood and urine, before the patient is brought before the class. One student under supervision gives the anesthetic, a pelvic examination is made by six students, and any operation required is then done before a section of the class small enough to see clearly what is

being done and how it is done. On a subsequent day the whole group examine microscopically sections prepared from material removed from patients that have been before them.

DEPARTMENT OF OPHTHALMOLOGY AND OTOLOGY.

HARRY FRIEDENWALD, A.B., M.D...Professor of Ophthalmology and Otology
HIRAM WOODS, A.M., M.D.....Professor of Ophthalmology and Otology
J. FRANK CROUCH, M.D....Professor of Clinical Ophthalmology and Otology
WM. TARUN, M.D.....Clinical Professor of Ophthalmology and Otology
H. E. PETERMAN, M.D.....Associate in Ophthalmology and Otology
CLYDE A. CLAPP, M.D.....Associate in Ophthalmology and Otology
H. K. FLECKENSTEIN, M.D.....Associate in Ophthalmology and Otology
JOSEPH I. KEMLER, M.D.....Associate in Ophthalmology and Otology
J. W. DOWNEY, M.D.....Associate in Otology
G. A. FLEMING, M.D.....Demonstrator of Ophthalmology and Otology
EDWARD A. LOOPER, M.D., D.Oph..Instructor in Ophthalmology and Otology
R. D. WEST, M.D.....Assistant in Ophthalmology and Otology

THIRD YEAR. *Practical Course in the anatomy*, gross and microscopic, and in the *physiology of the eye and the ear;* this course consists of dissections, microscopic sections, demonstration on models, etc., once weekly throughout one half the year.—Dr. Tarun.

Practical Course in the Methods of Examination of the eye, including the use of the ophthalmoscope, and of the ear, including the tests of the auditory apparatus.—Drs. Fleckenstein and Downey.

FOURTH YEAR. *Didactic Course in Diseases of the Eye* once weekly October to February, Dr. Woods; February to close of session, Dr. Harry Friedenwald.

Didactic Course in Diseases of the Ear, Dr. Crouch once weekly for half the year.

Clinics in diseases of the eye and ear to sections of the class once weekly, by Drs. Harry Friedenwald, Woods and Crouch.

Dispensary Instruction to small sections.

The courses in Ophthalmology and Otology are designed to familiarize the students with the common diseases of the eye and ear, their recognition and treatment, with a view to meet the needs of the general practitioner. Special emphasis is laid upon the relation between diseases of the eye and the ear and systemic diseases of other organs.

THE UNIVERSITY HOSPITAL TRAINING SCHOOL FOR NURSES.

MARY E. SULLIVAN, R.N., M.U.H. 1911, *Superintendant of Training Schools.*

The University Hospital Training School for Nurses was organized December 14, 1889, and offers a three years' course of training.

Those wishing to obtain the course of instruction must apply personally or by letter to the Superintendent of Nurses, who will furnish printed instructions respecting the personal information to be given by applicants. Letters of application should be accompanied by a statement from a clergyman testifying to good moral character and from a physician certifying to sound health and unimpaired faculties. Applicants must be between twenty-one and thirty-five years of age, of at least average height and physique, and must give satisfactory evidence of fitness in disposition and temperament for the work of nursing.

If approved, applicants are received into the school for a period of six months on probation, during which time demonstration classes are held, and instruction is given in the elementary part of the training.

Classes are formed and pupils are received in the spring and autumn.

High school graduates and women of higher education are given the preference. Their superior preparation makes them better fitted for the opportunities that are opening up in the profession of nursing. Graduates of this school are eligible for Red Cross and all Government work.

The Superintendent of Nurses decides as to the fitness of probationers for the work, and the propriety of retaining or dismissing them, and she may at any time terminate the connection of a pupil with the school in case of misconduct, inefficiency or neglect of duty.

Except under special circumstances failure to pass the examinations at the end of the first year is considered a sufficient cause for the termination of a student's connection with the school.

Students reside in the home and serve as assistants in the various departments of the Hospital for the full three years. They are expected to perform any duty assigned to them by the Superintendent of Nurses.

After the period of probation, students are required, when on duty, to wear the dress prescribed by the Hospital, which is blue

and white striped gingham, with white apron and cap and linen collar and cuffs. Probationers are not allowed to wear this dress.

To the University Hospital belongs the honor of bestowing upon its graduates a cap that possesses a real history—the Florence Nightingale cap, installed by Miss Parsons, a graduate of St. Thomas Hospital, London,, and the first superintendent of the University Hospital Training School for Nurses.

Day Nurses are on duty from 7 a.m. to 7 p.m. with one hour for dinner, and three hours for rest and recreation. They are given an afternoon each week and part of every Sunday. Each student is required to devote at least one hour daily to lecture, class work or study. A vacation of three weeks is allowed each year.

In sickness all students are cared for gratuitously, but the time so lost must be made up.

The course of training includes practical instruction in the nursing of medical, surgical, orthopedic, gynecological patients, obstetrics, the nursing of children, and the operating room work.

A course of lectures is given by the physicians and surgeons of the University, and class instruction with demonstrations by the Superintendent of Nurses and her assistants. Examinations are held at stated periods.

When the full term of three years is ended, the nurses thus trained will be at liberty to choose their own fields of labor, whether in hospitals, in private families, or in the various branches of social work which offer opportunities for the woman of ability. A diploma is given upon completion of course of training.

In addition to board, lodging and a reasonable amount of laundry work, each student receives an allowance of $5.00 per month to defray the expenses of uniforms, text-books, etc., incidental to her training.

GRADUATES, 1916

MARGARET DUNN	*Maryland*
JULIA IRENE KAUFFMAN	*Maryland*
MARION ASBURY FORNEY	*North Carolina*
MARGUERITE MARY WALTER	*Maryland*
SALLIE SMITH	*North Carolina*
LAURA POLLY CLARK	*North Carolina*
INEZ MAY SCARFF	*Maryland*
ANNA SPILLER HURST	*Virginia*
EMMA BLANCHE HOFFMASTER	*Maryland*
LILLIE GRACE NULL	*Maryland*
HELEN BERTIELL MCSHERRY	*Maryland*
SERENA WEBSTER SELFE	*Maryland*
MARGARET COLIN MAYO	*Maryland*
BERNICE VIOLET SMITH	*Maryland*

ELSIE LOVE RUTHERFORD ..... *Virginia*
HELEN LAMBIE BLAKE ..... *Maryland*
HILDEGARDE REAMY ..... *Virginia*
MARIE ESTELL LANGENFELDT ..... *Maryland*
NELLIE EUREKA DIX ..... *Virginia*
ELIZABETH HELEN PHELAN ..... *Canada*
MARY EDNA JOHN ..... *Virginia*
JULIA LOUISE HENKEL ..... *Virginia*
LUCY DULANEY SCAGGS ..... *Maryland*
LULA KATHRYN EICHNER ..... *Maryland*
MAUD WARING SIMMONS ..... *South Carolina*

THE MERCY HOSPITAL TRAINING SCHOOL FOR NURSES.

The Mercy Hospital Training School for Nurses, conducted by the Sisters of Mercy and connected with the College of Physicians and Surgeons, was organized and incorporated under the general laws of the State of Maryland in 1899. Its first students were graduated in 1901; and on the passage of the bill for registration in 1904, the Sisters of Mercy, connected with the Hospital service, received certificates as registered nurses.

The Training School was affiliated with the Board of Regents of the State of New York in 1906; and, in the same year, the Alumnae Association was incorporated, having been previously connected with the Associated Alumnae of the United States. The graduates, as active members, have been much interested in the movements of the Maryland Association of Graduate Nurses, to whom they have given every encouragement to uplift the profession in its many works of district nursing, tuberculosis campaign, Red Cross movements, etc.

The requirements for entrance are: highest moral standing, intelligence, good education and health. The age limit is twenty to thirty-five years.

After a three months' probation, candidates, if they possess the necessary qualifications, are admitted to the Training School proper, receiving five dollars a month wherewith to secure uniforms, text books, etc., the education they receive being considered their compensation. The right is reserved to dismiss pupils for any cause which may be deemed sufficient by the Sister Superior or Superintendent.

The course of training comprises three years of theory and practice. The clinical advantages are exceptional. The medical, surgical, orthopedic, gynecological, obstetrical, children's and dietetic departments give valuable practical experience. The nurses

are taught the theory of nursing by class recitations and demonstrations by efficient Sister instructors. Supplementing this training is a course of lectures from the ablest professors of the University of Maryland School of Medicine and College of Physicians and Surgeons, who are untiring in their efforts to keep the School abreast with modern scientific developments.

GRADUATES, 1916

SISTER MARY LAURENTINE HARRINGTON	*Pennsylvania*
ESTELLE MARIE BAINE	*West Virginia*
MAY DOLORES BEZOLD	*Maryland*
GENEVIEVE MARIE BIESECKER	*Maryland*
TERESA AILEEN DOUGHER	*Pennsylvania*
ROSE MEEHAN FIELDS	*Maryland*
MARJORIE HENDRICKS GILLILAN	*Maryland*
SARAH AGNES GORMAN	*Delaware*
CARRIE BELLE KELLICAN	*Virginia*
MARGARET GERALDINE MCDONOUGH	*Pennsylvania*
MARJORIE MARY O'MAILEY	*Maryland*
MARY ELIZABETH SAPPINGTON	*Maryland*
HAZLE LEE SCHWEIZER	*Alabama*
ROSE EFFIE SELBY	*Maryland*
GRACE ELEANOR SHEPPERSON	*Pennsylvania*
CARRIE ELIZABETH SHOFF	*Pennsylvania*
WEDA JANE SHOFF	*Pennsylvania*
LUCY SEYMOUR SPICER	*Maryland*
CARRIE AGNES WAGMAN	*Pennsylvania*
BERTIE AGNES WEBER	*Maryland*

MARYLAND GENERAL HOSPITAL TRAINING SCHOOL FOR NURSES.

ALICE E. WHEELER, R.N., *Superintendent of Training School.*

The Maryland General Hospital Training School for Nurses has been in successful operation since 1891.

In 1909 the Training School was registered with the Board of Regents of the State of New York.

Its purpose is to give to young women desiring to understand the science and acquire the art of nursing the sick and injured, the opportunity, through instruction and training, to qualify themselves for efficient and skillful work in their humane and useful mission.

A candidate for admission must be between 19 and 35 years of age.

She must have a High School education or pass an examination in the subjects embraced in, or equivalent to, the first two years' curriculum of the High Schools of the State of Maryland.

She must present a certificate from her family physician testifying as to good health and proper physical condition, and certificates from two other responsible persons.

The first six months will constitute a period of probation, in which the candidate must show her fitness before she will be finally accepted as a pupil. The school reserves the right of suspension or dismissal at any time, for inefficiency, misconduct, or infraction of the rules of discipline.

A vacation of two weeks each year is granted.

Pupils are cared for without expense in case of illness, provided they remain in the hospital and are attended by members of the Medical Staff.

The full course of instruction will extend over a period of three calendar years. During the probationary period practical demonstrations are given in the class room, four hours each week. Nurses in training receive instruction in the nursing of medical, surgical, orthopedic, gynecological patients, in operating room work, and also in obstetrics and the nursing of children; in addition to which, courses of lectures are given by the visiting physicians and surgeons of the Maryland General Hospital.

All examinations must be successfully passed before the pupil will be advanced to the work of the following year.

GRADUATES, 1916

DAISY BROWNING SMITH	*Maryland*
SALLIE MAE CALLOWAY	*Delaware*
RUTH CALLOWAY	*Delaware*
AMELIA LOUISE GIESE	*Maryland*
NELLIE CONWAY GAULT	*Maryland*
CORA ELIZABETH CORRIGAN	*Pennsylvania*
MINNIE SAPHIRE CHEEZUM	*Maryland*
ALICE GERTRUDE PRICE	*Maryland*
LILLIAN MAY BARRETT	*Maryland*
MARY ELLEN KERNS	*Maryland*
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The following, all Alumni of the University, constitute the Board of Trustees of this Fund:

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This Board is incorporated by act of the Legislature of the State, its legal title being "The Trustees of the Endowment Fund of the

University of Maryland," and is independent and self-perpetuating, filling itself any vacancies. Its powers are limited *to the expenditure of the interest derived from the fund*, which is to be applied in the discretion of the Board for the benefit of the University. Contributions, donations and bequests are solicited from Alumni and friends. They may be made to the general or University Fund, to the Medical Fund or to any other department of the University. If intended for the School of Medicine, they may be given to the general medical fund or to some special object, as building, research, library, pathology, hospital, publication, laboratories, gymnasium, scholarship, medal, prize, etc., in which case the wishes of the donor will be strictly regarded. Attention is invited to the "Charles Frick Research Fund," already established in memory of that distinguished investigator. Checks should be made payable to Charles Markell, Treasurer, 1137 Calvert Building, Baltimore, Md.

FORMS OF DEVISE OR BEQUEST.

To School of Medicine.

I give, devise and bequeath to the Regents of the University of Maryland, a corporation incorporated under the laws of the State of Maryland, for the benefit of the Faculty of Physic.....

(Here state amount or describe property.)

To Endowment Fund.

I give, devise and bequeath to the Trustees of the Endowment Fund of the University of Maryland, a corporation incorporated under the laws of the State of Maryland, for the benefit of the Faculty of Physic .....

(Here state amount or describe property.)

ALUMNI ASSOCIATIONS.

UNIVERSITY OF MARYLAND MEDICAL DEPARTMENT.

All alumni in good standing are eligible to membership.

The membership fee is $1.00 per annum, payable in March.

The annual meetings are held on or about Commencement Day, and an orator will be selected to deliver an address upon these occasions.

The Banquet, which follows the delivery of the oration, is a reunion of old classmates, to which members who have paid their dues in full and candidates who have paid their initiation fee are admitted without extra charge.

The following are the officers for the current year:

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YOUNG MEN'S CHRISTIAN ASSOCIATION OF THE UNIVERSITY OF MARYLAND.

This Association since its establishment, eighteen years ago, has steadily grown in numbers and influence and has met a need of College life.

All students of any Department of the University are eligible to membership as actives or associates, which membership includes special privileges in the City Association.

Bible and Mission Classes are maintained by the Association throughout the College year, and every effort is exerted to promote Christian character and morality.

A committee of members will be on hand at the opening of the session in Davidge Hall to welcome new students to the University, and will also be glad to render assistance in the way of securing comfortable rooms, boarding houses, etc., and to extend any other courtesies possible.

All young men who intend to enter the University are cordially invited to share in the privileges of the Association, and, upon arriving in the city, to address the officers named below, who will be glad to furnish any information desired regarding the Association and its work, and to render any assistance in their power.

John W. Edel (Law Department), *President*
M. L. Lumpkin (Medical Department), *Vice-President*

UNIVERSITY OF MARYLAND.

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St. John's College, Annapolis, Md.

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The Regular Winter Season begins on October 1 of each year, and continues until the following May.

The requirements for admission are the same as in all other reputable dental colleges.

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JOHN C. HEMMETER, M.D., Ph.D., LL.D., Professor of Physiology.
TIMOTHY O. HEATWOLE, M.D., D.D.S., Professor of Dental Materia Medica and Therapeutics, and Dean of Faculty.
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E. FRANK KELLY, Phar. D., Professor of Chemistry and Metallurgy.
B. MERRILL HOPKINSON, A.M., M.D., D.D.S., Professor of Oral Hygiene and Dental History.
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ROBERT P. BAY, M.D., Instructor in Oral Surgery.
ROBERT L. MITCHELL, M.D., Instructor of Bacteriology and Pathology.
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DEPARTMENT OF LAW.

FORTY-SEVENTH ANNUAL SESSION.

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For catalogue containing full information, address, EDWIN T. DICKERSON, Secretary and Treasurer of Law Faculty, 102–5 Law Building, Baltimore, Md.

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MARYLAND COLLEGE OF PHARMACY, 1841–1904.

THE SEVENTY-THIRD ANNUAL SESSION.

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George A. Stall, Phar.D., Demonstrator in Dispensing.

For catalogue and information, address, CHAS. CASPARI, Jr., Dean.

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UNIVERSITY HOSPITAL

MARYLAND GENERAL HOSPITAL

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OF

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AND

COLLEGE OF PHYSICIANS AND SURGEONS

ANNUAL ANNOUNCEMENT
SESSION 1917–1918

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UNIVERSITY OF MARYLAND—GENERAL VIEW

BULLETIN

OF THE

UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE

AND

COLLEGE OF PHYSICIANS AND SURGEONS

Successor to THE HOSPITAL BULLETIN, of the University of Maryland, BALTIMORE MEDICAL COLLEGE NEWS, and the JOURNAL of the Alumni Association of the College of Physicians and Surgeons.

VOL. II JULY, 1917 No. 2

ANNUAL ANNOUNCEMENT SESSION 1917-1918

CALENDAR.

1917–18

June 1 to September 30.—Daily Clinics at University, Mercy, and Maryland General Hospitals.

September 25.—Examination of Conditioned Students and Examination for Advanced Standing.

October 1.—Regular Session begins.

November 28.—Thanksgiving Recess begins. 6 p.m.

December 3.—Thanksgiving Recess ends. 9 a.m.

December 22.—Christmas Recess begins. 6 p.m.

January 2.—Christmas Recess ends. 9 a.m.

February 22.—Washington's Birthday.

March 27.—Easter Recess begins. 6 p.m.

April 2.—Easter Recess ends. 9 a.m.

June 1.—Commencement.

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William F. Lockwood, M.D. Chairman.

William S. Gardner, M.D. Secretary

Harry Friedenwald, M.D.

RESIDENT STAFF.

E. P. Smith, M.D., *Superintendent.*

Resident Surgeons.

Guy L. Post, M.D.
F. X. Kearney, M.D.
F. E. Mason, M.D.
R. W. McKenzie, M.D.
L. H. Bloom, M.D.
H. D. Ketcherside, M.D.

Resident Physicians.

L. A. M. Krause, M.D.
H. Rowland Carroll, M.D.
Charles R. Thomas, M.D.
Hans C. Holm, M.D.
L. H. Bloom, M.D.
Arthur F. Peterson, M.D.

Resident Gynecologist.

Lemuel A. Lasher, M.D.

Resident Obstetrician.

C. C. Nohe, M.D.

Accident Service.

Thomas K. Galvin, M.D.

MARYLAND GENERAL HOSPITAL STAFF.

VISITING STAFF.

John D. Blake, M.D. — Randolph Winslow, A.M., M.D., LL.D.
Ridgely B. Warfield, M.D. — Arthur M. Shipley, M.D.
Frank Martin, B.S., M.D.

Associates.

J. C. Lumpkin, M.D. — A. G. Barrett, M.D.
H. C. Blake, M.D. — Nathan Winslow, A.M., M.D.
J. B. Culverhouse, M.D.

Physicians.

E. B. Freeman, M.D. — Charles O'Donovan, A.M., M.D., LL.D.
Gordon Wilson, M.D. — Jno. C. Hemmeter, M.D., Ph.D., Sc.D., LL.D.
Harry Adler, A.B., M.D. — J. M. Craighill, M.D.
Jos. E. Gichner, M.D.

Associates.

J. E. Poulton, M.D. — Thomas W. Keown, A.B., M.D.
Frank J. Powers, M.D. — J. W. Clift, M.D.

Neurologists.

Chas. G. Hill, A.M., M.D. — Irving J. Spear, M.D.

Associates.

J. Clement Clark, M.D. — J. Percy Wade, M.D.

Laryngologists.

S. K. Merrick, M.D. — John R. Winslow, A.B., M.D.

Obstetricians.

J. M. H. Rowland, M.D. — L. E. Neale, M.D., LL.D.

Associates.

J. K. B. Seegar, M.D. — Stanley H. Gorsuch, M.D.
H. N. Freeman, M.D.

Gynecologists.

W. B. Perry, M.D. — J. Mason Hundley, M.D.

Associates.

S. H. Streett, B.S., M.D. — Maurice Lazenby, M.D.
J. M. Fenton, M.D. — E. H. Hayward, M.D.

Ophthalmologists.

J. Frank Crouch, M.D. Hiram Woods, A.M., M.D.

Associates.

Clyde A. Clapp, M.D. R. D. West, M.D

Proctologists.

G. Milton Linthicum, A.M., M.D

Associate.

Ernest G. Marr, M.D.

Radiologist.

John Evans, M.D.

Dermatologist.

E. R. Stroebel, A.B., M.D.

Urologist.

W. B. Wolf, M.D.

Orthopedic Surgeon.

Sydney M. Cone, A.B., M.D.

Pathologists.

Wm. Royal Stokes, M.D., Sc.D. Standish McCleary, M.D.
G. Howard White, M.D. H. B. Wylie, M.D.

RESIDENT STAFF.

Joseph J. Roberts, M.D., *Medical Superintendent.*

George A. Bawden, M.D., *Resident Surgeon.*

Robert W. Johnson, M.D., *Resident Surgeon.*

Bowers H. Grout, M.D., *Resident Gynecologist.*

C. Chapin Childs, M.D., *Resident Surgeon for Proctology, Laryngology and Urology.*

B. M. Jaffe, M.D., *Resident Physician.*

Frank Machin, *Resident Obstetrician.*

Assistant Resident Physicians Rotating Service.

Roy A. Wolford, M.D. John G. Skilling, M.D.
Churchill Worrell, M.D. Fred. H. Clark, M.D.

THE JAMES LAWRENCE KERNAN HOSPITAL AND INDUSTRIAL SCHOOL OF MARYLAND FOR CRIPPLED CHILDREN.

R. Tunstall Taylor, A.B., M.D., *Surgeon-in-Chief.*

Associate Surgeons.

Sydney M. Cone, A.B., M.D. Albertus Cotton, A.M., M.D.
Compton Riely, M.D.

W. H. Daniels, M.D., *Dispensary Surgeon and Anaesthetist.*

C. Reid Edwards, M.D., *Assistant Surgeon and Superintendent.*

George F. Lynch, M.D., *Resident Surgeon.*

Miss Anita Renshaw Presstman, *Instructor in Corrective Gymnastics.*

Miss Mary H. Lee, *Principal of School.*

Miss Ada Mosby, *Kindergartner and Industrial Teacher.*

Roentgenologist.

Henry J. Walton, M.D.

Attending Plastic Surgeon.

John Staige Davis, B.Sc., M.D.

Attending Physician.

A. D. Atkinson, M.D.

Attending Surgeon.

Frank Martin, B.Sc., M.D.

Attending Laryngologists.

John R. Winslow, A.B., M.D. Richard H. Johnston, M.D.

Attending Dermatologist.

John R. Abercrombie, A.B., M.D.

Attending Pathologist.

Howard J. Maldeis, M.D.

Attending Urologist.

Gideon Timberlake, M.D.

Attending Oculist and Aurist.

William Tarun, M.D.

Attending Neurologist.

Irving J. Spear, M.D.

Attending Dentist.

G. E. P. Truitt, D.D.S.

Consulting Surgeons.

W. S. Halsted, A.B., LL.D., B.Sc., M.D. J. M. T. Finney, A.B., M.D.
Randolph Winslow, A.M., M.D., LL.D. Archibald C. Harrison, M.D.

Consulting Physicians.

Thomas R. Brown, A.B., M.D. Llewellys F. Barker, A.B., M.D.
Thomas B. Futcher, A.B., M.D. Charles W. Mitchell, A.M., M.D.
William S. Thayer, A.B., M.D.

Consulting Oculist.

Hiram Woods, A.B., M.D.

Consulting Laryngologist.

John N. MacKenzie, A.B., M.D.

STAFF OF THE CITY HOSPITAL AT BAYVIEW.

Thomas R. Boggs, S.B., M.D., *Physician-in-Chief.*

Arthur M. Shipley, M.D., *Surgeon-in-Chief.*

Gordon Wilson, M.D., *Physician-in-Chief to the Municipal Hospital for Tuberculosis.*

Admont Clark, M.D., *Pathologist.*

Thomas P. Sprunt, M.D., *Acting Physician-in-Chief.*

Frank S. Lynn, M.D., *Acting Surgeon-in-Chief.*

CONSULTING STAFF.

Ophthalmologist.

James J. Mills, M.D.

Otologist.

WILLIAM TARUN, M.D.

Gynecologists.

EDWARD H. RICHARDSON, M.D. HUGH W. BRENT, M.D.

Urologists.

GIDEON M. TIMBERLAKE, M.D. JOHN T. GERAGHTY, M.D.

Laryngologist.

FRANK DYER SANGER, M.D.

Pediatrician.

JOHN RUHRÄH, M.D.

Neurologist.

HENRY M. THOMAS, M.D.

ST. ELIZABETH HOME.

Attending Physician.

EDGAR B. FRIEDENWALD, M.D.

Surgeon.

ALEXIUS MCGLANNAN, M.D.

Neurologist.

A. C. GILLIS, M.D.

STAFF OF NURSERY AND CHILD'S HOSPITAL.

Attending Physicians.

CHAS. F. BEVAN, M.D. EDGAR B. FRIEDENWALD, M.D.

JOHN RUHRÄH, M.D.

Consulting Physicians.

WM. S. BAER, M.D. WM. F. LOCKWOOD, M.D.

ALBERTUS COTTON, M.D.

Oculist and Aurist.

HARRY FRIEDENWALD, M.D.

Superintendent.

MISS ELIZABETH M. STONE.

ST. VINCENT'S INFANT ASYLUM.

Visiting Physicians.

Charles O'Donovan A.M., M.D.
J. E. Poulton, M.D.
J. F. Powers, M.D.
Eugene H. Hayward, M.D.
J. K. B. E. Seegar, M.D.
L. C. M. Parker, M.D.

Visiting Surgeons.

Frank Martin, B.S., M.D.
R. B. Warfield, M.D.
John D. Blake, M.D.
Alexius McGlannan, M.D.

Visiting Oculists and Aurists.

J. Frank Crouch, M.D.
Clyde E. Clapp, M.D.

Visiting Orthopedic Surgeons.

Sydney M. Cone, A.M., M.D.
Compton Riely, M.D.

Visiting Proctologist.

G. Milton Linthicum, A.M., M.D.

Pathologists.

Sydney M. Cone, A.M., M.D.
Alexius McGlannan, M.D.

Resident Interne.

James P. Rosseau

MARYLAND LYING-IN ASYLUM (MATERNITÉ)

Visiting Obstetricians.

George W. Dobbin, M.D.
Charles E. Brack, M.D.
Glenn M. Litsinger, M.D.
Maurice Lazenby, M.D.

Resident Obstetrician.

Carl C. Nohe, M.D.

MARYLAND LYING-IN HOSPITAL.

Obstetricians.

J. M. H. Rowland, M.D.
L. E. Neale, M.D.

Associates.

J. K. B. E. Seegar, M.D.
H. S. Gorsuch, M.D.
H. N. Freeman, M.D.

Resident Obstetrician.

Frank H. Machin, M.D.

UNIVERSITY HOSPITAL DISPENSARY STAFF.

JOHN HOUFF, M.D., *Dispensary Physician.*

Medicine.

H. D. MCCARTY, M.D., *Chief of Clinic.*

S. R. CLARKE, M.D.
R. C. METZEL, M.D.
EUGENE KERR, M.D.
M. S. SCHIMMEL, M.D.
E. L. COOK, M.D.
HORACE BYERS, M.D.

Surgery.

R. P. BAY, M.D., *Chief of Clinic.*
FRANK S. LYNN. M.D., *Associate Chief, of Clinic.*

T. L. PHILLIPS, M.D.
E. S. PERKINS, M.D.
CHARLES R. EDWARDS, M.D.
H. M. FOSTER, M.D.

Children.

JOSE L. HIRSH, A.B., M.D., *Professor of Clinical Pediatrics.*
G. CARROLL LOCKARD, M.D., *Chief of Clinic.*

J. A. SKLADOWSKY, M.D.
NORBERT C. NITSCH, A.B., M.D.
C. L. JOSLIN, M.D.
J. S. FENBY, M.D.

Women.

W. K. WHITE, M.D.
R. L. MITCHELL, M.D.
J. A. SKLADOWSKY, M.D.
R. G. WILLSE, M.D.
L. H. DOUGLAS, M.D.
D. SILBERMAN, M.D.

Eye and Ear.

WM. TARUN, M.D., *Chief of Clinic.*

E. A. LOOPER, M.D.
H. BUTLER, M.D.
G. MURGATROYD, M.D.

Skin.

JOHN R. ABERCROMBIE, A.B., M.D., *Chief of Clinic.*

L. N. KETRON, A.B., M.D.,
H. M. ROBINSON, M.D.

Stomach.

J. HARRY ULLRICH, M.D.

Nose and Throat.

H. C. DAVIS, M.D., *Chief of Clinic.*

M. L. LICHTENBERG, M.D.
E. G. BREEDING, M.D.

Orthopedics.

R. TUNSTALL TAYLOR, A.B., M.D., *Professor of Orthopedic Surgery.*
COMPTON RIELY, M.D., *Chief of Clinic.*
W. H. DANIELS, M.D.

Genito-Urinary.

Gideon Timberlake, M.D., *Professor of Genito-Urinary Diseases.*
A. J. Underhill, M.D., *Chief of Clinic.*
W. H. Councill, M.D. Wm. Blaney, M.D.

Neurology.

Irving J. Spear, M.D., *Professor of Neurology.*
G. M. Settle, M.D., *Chief of Clinic.*
B. Pushkin, M.D. J. A. Skladowsky, M.D.

Rectal.

G. Milton Linthicum, *Professor of Diseases of Rectum and Colon.*
J. D. Reeder, M.D., *Chief of Clinic.*

Tuberculosis.

J. E. O'Neill, M.D., *Chief of Clinic.*

Obstetrics.

L. H. Douglas, M.D., *Chief of Clinic.*
H. N. Freeman, M.D.

X-ray Department.

Henry J. Walton, M.D., *Roentgenologist.*

Miss Frances Meredith, *Chief Nurse, Out-Patient Department.*

DISPENSARY STAFF OF MERCY HOSPITAL.

Physician in Charge.

B. S. Hanna, M.D.

Surgery.

E. H. Hutchins, M.D. H. M. Foster, M.D.
A. M. Evans, M.D. F. L. Jennings, M.D.
A. F. Hutchins, M.D.

Genito-Urinary Surgery.

Anton G. Rytina, M.D.
Wm. J. Todd, M.D. A. E. Goldstein, M.D.
A. L. Tumbleson, M.D. Harris Goldman, M.D.

Orthopedic Surgery.

Albertus Cotton, M.D. Harry L. Rogers, M.D.

Medicine.

Harvey G. Beck, M.D. W. C. Coppage, M.D.
B. S. Hanna, M.D. A. C. Sorenson, M.D.

Diseases of Stomach.

JULIUS FRIEDENWALD, M.D. JOHN G. STIEFEL, M.D.
T. FRED'K LEITZ, M.D. THEODORE MORRISON, M.D.
L. KRAUSE, M.D.

Nervous Diseases.

A. C. GILLIS, M.D. D. D. V. STUART, JR., M.D.
G. F. SARGENT, M.D. G. B. WOLFE, M.D.
OTTO H. DUKER, M.D. J. W. V. CLIFT, M.D.

Diseases of Children.

C. L. JOSLIN, M.D.
F. N. HILLIS, M.D. FRANK AYD, M.D.

Diseases of Women.

A. SAMUELS, M.D. J. G. ONNEN, M.D.
EMIL NOVAK, M.D. C. F. J. COUGHLIN, M.D.
A. J. GILLIS, M.D.

Diseases of Nose and Throat.

FRANK DYER SANGER, M.D.
G. W. MITCHELL, M.D. W. F. ZINN, M.D

Diseases of Eye and Ear.

HARRY FRIEDENWALD, M.D.
H. K. FLECKENSTEIN, M.D. JOS. I. KEMLER, M.D.

Neuro-Otology.

J. W. DOWNEY, JR., M.D.

Diseases of the Rectum.

C. F. BLAKE, M.D.

Diseases of Skin.

MELVIN ROSENTHAL, M.D. B. V. KELLY, M.D.

MARYLAND GENERAL HOSPITAL DISPENSARY STAFF.

Committee in Charge.

CLYDE A. CLAPP, M.D., *Chairman.*
MAURICE LAZENBY, M.D. ARTHUR G. BARRETT, M.D.

Medicine and Children.

J. W. V. CLIFT, M.D. S. D. SHANNON, M.D.
FRANK J. POWERS, M.D.

Surgery.

ARTHUR G. BARRETT, M.D. J. D. BUBERT, M.D
J. C. FREY, M.D.

Nose and Throat.

GEORGE W. MURGATROYD, M.D. WM. CASPARI, M.D

Eye and Ear.

CLYDE A. CLAPP, M.D. REGINALD D. WEST, M.D
J. E. BRUMBACK, M.D.

Gastro-Enterology and Proctology.

E. B. FREEMAN, M.D. ERNEST G. MARR, M.D

Urology.

R. B. KENYON, M.D. J. B. CULVERHOUSE, M.D

Gynecology.

MAURICE LAZENBY, M.D. J. M. FENTON, M.D.
J. M. DENNY, M.D.

Obstetrics.

H. N. FREEMAN, M.D. H. S. GORSUCH, M.D
EUGENE H. K. ZELLER, M.D.

Dermatology.

E. R. STROBEL, M.D.

Neurology.

IRVING C. SPEAR, M.D. GEORGE M. SETTLE, M.D.
A. C. GILLIS, M.D. M. FELDMAN, M.D.

MATRICULATES, UNIVERSITY OF MARYLAND, SCHOOL OF MEDICINE AND COLLEGE OF PHYSICIANS AND SURGEONS, 1916–1917.

POST-GRADUATES AND SPECIAL STUDENTS.

Name	State
Philip B. Becker	*New York*
* Arthur E. S. Casey	*Connecticut*
* George Edward Clark, M.D.	*New York*
Alfredo Comas Calero	*Cuba*
Michael Joseph Czapp	*Pennsylvania*
* John M. DeWeese, A.B., M.D.	*Ohio*
* George L. Faucett, B.S., M.D.	*Alabama*
* William James Fulton	*Maryland*
* Benjamin Harrison Gibson, M.D.	*Georgia*
* Manuel Gonzalez	*Porto Rico*
* F. M. Gordy, M.D.	*Georgia*
* Thomas Arthur Griffin, M.D.	*North Carolina*
* Francis E. Henry, M.D.,	*Pennsylvania*
* Horace L. Hulett, M.D.	*New York*
* Leo Huth, M.D.	*Ohio*
* Donald Swett Knowlton	*Maine*
* F. Lahmers, M.D.	*Ohio*
* Royce Reed Long, A.B.	*Maryland*
* Carlos E. Rivas Leiva	*Cuba*
* L. J. McCusker	*Massachusetts*
* Alfredo D. Martinez	*Porto Rico*
* Edward William Mulligan	*Rhode Island*
Keiki Nagatsuka	*Japan*
* Hugh W. Neel, M.D.	*West Virginia*
* W. T. Owens, M.D.	*West Virginia*
J. A. Parlade, Phar.D	*Cuba*
* Davis Robertson	*North Carolina*
Pedro Rosario, Jr.	*Porto Rico*
* Fred Collins Sabin	*New York*
* C. N. Slater, M.D.	*West Virginia*
* J. E. Springer, M.D.	*Ohio*
George W. Todd, Jr.	*Maryland*
S. J. Wu, Phar.D	*China*

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* Not in attendance the entire session.

FOURTH YEAR CLASS.

Name	State
* Andrew, Clarence P., A.B.	*South Africa*
Armstrong, Fred Francis	*Connecticut*
Audet, Charles Henry	*Massachusetts*
Baldwin, Jr., Anton	*Maryland*
Bampfield, Fred J.	*Canada*
Barishaw, Samuel	*New Jersey*
Bennet, DaCosta F., A.B.	*Maine*
Bloom, George Homer	*Pennsylvania*
Bloom, Lawrence Hughes	*Pennsylvania*
Bohl, Louis Joseph	*New Jersey*
Bonner, Octavius B.	*North Carolina*
Bronnshas, Ipolitas B.	*New York*
Burrows, Ernest Allen	*Massachusetts*
Byrnes, Thomas Eusebius	*Massachusetts*
Carlin, Edward J.	*New Jersey*
Carroll, Harry Roland	*Maryland*
Champlin, Roy D.	*New York*
Clark, Frederick Harlow	*Georgia*
Collins, Henry J.	*Massachusetts*
Covey, William Crocket	*West Virginia*
Cumin, Milton H.	*Maryland*
Daves, John Thomas	*Virginia*
Davidson, William Brown	*Rhode Island*
Donahue, Cornelius Louis	*New York*
Doyle, Joseph F.	*New Hampshire*
Duffy, Vincent P.	*West Virginia*
Eby, John Cyril, Phar.D	*Maryland*
Ehlers, Reginald G.M., M.D.V.	*California*
Eisenberg, Albert	*Maryland*
Eleder, Franklin Charles	*Maryland*
Fay, Daniel E., Phar.D	*Maryland*
Fernandez, Luis J.	*Porto Rico*
Frost, Nugent George	*Massachusetts*
Gallagher, William Edward	*New York*
* Gieson, John Jacob, A.B.	*Virginia*
Hartman, George Otto	*Ohio*
Hedrick, Erland H.	*West Virginia*
Hertzog, Francis Carl	*Pennsylvania*
Holm, H. C., M.S; Ph.B.	*District of Columbia*
Holmes, James	*Massachusetts*
Howell, James Edward, B.S.	*North Carolina*
Huff, Wheeler O.	*Maryland*
Kaufman, Edgar Wayne	*Pennsylvania*
Ketcherside, Hilary D.	*Arizona*

Name	State
* Kimball, Philip Albert	*New Hampshire*
Kirk, William Van	*West Virginia*
Koprivich, Milan I. S.	*Serbia*
Krause, Louis A .M	*Maryland*
Lasher, Lemuel A.	*Pennsylvania*
Legge, Kenneth D.	*District of Columbia*
MacGregor, Allan W.	*Connecticut*
McClintock, George Lorenze	*Maryland*
Machin, Frank H.	*Maryland*
Maddison, Walter E.	*Utah*
Marston, James Graham, A.B.	*Maryland*
Martin, John Willis	*Maryland*
Martinez, Jose	*Porto Rico*
Mason, Frank Ebaugh	*Maryland*
* Merrick, Frank X.	*New York*
Michael, M. Harlan	*Maryland*
Miller, Wilfred Porter, M.E.	*New York*
Montgomery, Mathison J.	*Pennsylvania*
Moran, Arthur B.	*Connecticut*
Moyers, Emmet D.	*West Virginia*
None, Carl Clyde	*West Virginia*
Nolan, Francis F.	*Virginia*
Norris, J. Edward	*Maryland*
Ogden, Frank Nevin	*Maryland*
Payawall, Juan L., A.B.	*Philippine Islands*
Peeler, Casper Smith, B.S.	*Florida*
Peery, Clarence Eugene	*Virginia*
Petrulias, George A.	*Greece*
Porterfield, Marvin H.	*West Virginia*
Reddig, Clarence M., Ph.B.	*Pennsylvania*
Reitzel, Elbert Coy	*North Carolina*
Rigau, Gabriel	*Porto Rico*
Rigby, Samuel B., A.B.	*Utah*
Rodriguez, Antonio	*Porto Rico*
Salan, Joseph	*Indiana*
Shinn, Herbert L.	*District of Columbia*
Silverstein, Max	*New Jersey*
Skilling, John Galen	*Maryland*
Smith, Leroy Henry	*Maine*
Smith, Leo L.	*Oklahoma*
Stein, Albert	*Massachusetts*
Tarkington, Grayson E.	*Arkansas*
Thomas, Charles Roberts, A.B.	*Maryland*
Thomas, Kelly Clifton	*North Carolina*
Tierney Edward Francis	*Rhode Island*
Vaughan, George W.	*Maryland*
Viewig, Max William, Ph.G.	*West Virginia*
Weber, John J., A.B.	*Maryland*
Welch, Robert S. G.	*Maryland*
Wheaton, Harry W.	*New York*
Wheeler, Howard Laurence	*Maryland*
Whistler, Edward L., A.B.	*Pennsylvania*
White, George Lawrence	*Maryland*
Williams, William C.	*North Carolina*
Wolff, Carl Otto, A.B.	*North Carolina*
Wolford, Roy Azariah	*West Virginia*
Worrell, Churchhill F.	*Virginia*
Yost, Fielding, E. L.	*West Virginia*

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* Not in attendance the entire session.

THIRD YEAR CLASS.

Name	State
Allen, Eustace Andrew, A.B.	*Alabama*
Anderson, Lang W.	*South Carolina*
Bird, LaRue	*Pennsylvania*
*Bonner, John Bryan	*North Carolina*
Borror, William Bruce	*West Virginia*
Briscoe, Everard	*Maryland*
Bross, Samuel I.	*Maryland*
Cafritz, Edward A.	*District of Columbia*
Clark, Harold Chandler, Ph.G.	*New York*
Cooke, Grady Carlyle	*North Carolina*
Coombs, Forrest P., B.S.	*West Virginia*
Coulon, Frank N.	*New Hampshire*
Dalton, William Bennett	*North Carolina*
Darby, W. Arthur	*Maryland*
Deliz, Ramon C.	*Porto Rico*
Diebolder, Oscar A.	*Maryland*
Ephraim, Myer	*Maryland*
Fazenbaker, Anderson J.	*Maryland*
Flippin, Eugene Littlejohn	*North Carolina*
Forbes, Sherman Balch	*Florida*
Frizzelle, John Lloyd	*North Carolina*
Gavronsky, Samuel	*New Jersey*
Gore, Michael Alvord, A.B.	*Maryland*
Grove, George Hedges	*Maryland*
Hart, Crawford Avery, A.B.	*North Carolina*
Heiskell, Edgar Frank	*West Virginia*
Hunter, Dewitt T.	*North Carolina*
Johnson, Harley Monroe	*South Carolina*
Joyner, James Craig	*North Carolina*
Kellam, John Wise	*Virginia*
Kocevar, Martin Francis	*Pennsylvania*
LaRue, Raymond T.	*Ohio*
Lynch, Raymond A.	*West Virginia*
McDade, Brodie Banks	*North Carolina*
McDowell, John S.	*New York*
Macke, Clarence Edgar	*Maryland*
Miller, Daniel	*Maryland*
Morgan, Zachariah Raphael	*Maryland*
Pinkerton, Frank Coulson	*Maryland*
Putterman, Morris Nathan	*Maryland*
Reynolds, Paul Emerson	*Maryland*
Ridgely, Irwin Oliver, A.B.	*Maryland*
Robles, Charles Walter	*Florida*
Rousseau, James Parks	*North Carolina*

Name	State
Sabiston, Frank	*North Carolina*
Seal, Gratta Earle	*West Virginia*
Shaffer, Stewart S.	*Pennsylvania*
Shaver, William T.	*North Carolina*
* Shayt, Louis	*Maryland*
Sindler, Joseph	*Maryland*
Sledge, Robert F., B.S.	*North Carolina*
Speake, Thomas Carlyle, A.B.	*Maryland*
Spoon, Jr., Samuel C.	*North Carolina*
Sweet, Alfred Norton	*Connecticut*
Taylor, Joseph Russell	*Pennsylvania*
Thompson, Theodore F.	*New Jersey*
Thorner, John George	*West Virginia*
Trippett, Jr., Lemuel H., A.B.	*West Virginia*
Walter, Ralph Somers	*Pennsylvania*
Warlick, Jr., Henry C.	*Mississippi*
White, S. Howard, A.B.	*South Carolina*

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* Not in attendance the entire session.

SECOND YEAR CLASS.

Name	State
Abbott, Lyman S nclair	*Missouri*
Adams, Edgar Paul	*Maryland*
Alagia, Damian Paul	*Maryland*
Alexis, Joseph A.	*Pennsylvania*
Barker, Frank Talmage	*Florida*
Beachley, Ralph Gregory	*Maryland*
Boone, Jr., Walter	*South Carolina*
Brown, Jr., James	*North Carolina*
Buchness, John Adam	*Maryland*
Campbell, Arthur Thomas	*Connecticut*
Chesebro, Charles C.	*New York*
* Cohn, Alexander	*Maryland*
* Conrad, Lewis S.	*New York*
Cregg, Herbert Alexander	*Massachusetts*
Davis, Chas. Willson, A.B.	*North Carolina*
Davis, John Edward	*Virginia*
Deakyne, Walter Clifton	*Delaware*
Dye, Frank Ganes	*New York*
Flaherty, John Joseph	*Connecticut*
Fort, Wetherbee	*Maryland*
Franceschi, Francisco	*Porto Rico*
Geyer, William Glenn	*Maryland*
Goldsborough, Charles R., A.B.	*Maryland*
Hartenstein, Albert G., Ph.G.	*West Virginia*
Helsabeck, Chester Joseph.	*North Carolina*
Horine, Cyrus Flook	*Maryland*
Ingram, W. Hawkins	*Maryland*
Isaacs, Raphael Harris	*Maryland*
Jacobowitz, Aaron	*Pennsylvania*
John, Baxter Schooley	*Virginia*
Lonergan, Paul B.	*Pennsylvania*
Lumpkin, Morgan LeRoy, Ph.B.	*Maryland*
McElwain, Howard Byer	*Pennsylvania*
McLeod, Walter Guy	*North Carolina*
Macis, Salvador A., A.B.	*Nicaragua*
Mallett, Victor Joseph	*New York*
Mayoral, Jr., Joaquin	*Cuba*
Morales, Jr., Pablo	*Porto Rico*
Murphy, Benjamin Russell	*New Jersey*
Neidermyer, John William	*West Virginia*
Owens, William Duncan	*Georgia*
* Pilson, Robert A.	*West Virginia*
* Quintero, Ernesto	*Porto Rico*
Reynolds, Roy Rex	*Virginia*
Romine, Carl Chester	*West Virginia*
Shaw, W. McLaurin, A.B	*South Carolina*
Stansbury, Fred	*West Virginia*
Stewart, Charles Wilbur	*Maryland*
Tiemeyer, Arthur Charles	*Maryland*
Timko, Louis M.	*Ohio*
Tull, Myron G., A.B.	*Maryland*
Vasquez, Raphael S.	*Porto Rico*
White, Thomas Francis	*Delaware*
Whitted, Walter Puryear	*North Carolina*
Wild, Albert	*Connecticut*
Wright, Harold Edson	*New York*

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* Not in attendance the entire session.

FIRST YEAR CLASS.

Name	State
Abtigiani, Philibert, Phar.D.	*Maryland*
Aubrey, John Forsyth	*Maryland*
Banvard, Navy F. X.	*New Jersey*
* Barry, Edward Leo	*Rhode Island*
Bernabe Adolfo	*Porto Rico*
Billingslea, Charles Levine	*Maryland*
Bolewicki, Peter Edward, A.B.	*Maryland*
Broadrup, Earl Edgar	*Maryland*
Broll, Harry R.	*Maryland*
Brumback, Lynn Hamilton	*Virginia*
Bubert, Howard M.	*Maryland*
Burton, Claud Carter, B.S.	*Kentucky*
Cardona, de, Nestor Bernardo,	*Porto Rico*
Castro, Andres Gutierrez, A.B.,	*Costa Rica*
Clarken, Joseph A.	*New Jersey*
* Conniff, John J.	*West Virginia*
* Davis, Charles L.	*West Virginia*
Dobihal, Louis Charles	*Maryland*
Doctor, Rattansha M.	*India*
Erwin, John Joseph	*West Virginia*

Name	State
Fahndrich, Carl Gustav	*Maryland*
Finney, Roy Pelham	*Virginia*
Fleck, Roland F.	*Pennsylvania*
Ginsburg, Leon	*Maryland*
Gleason, Joseph Henry	*Massachusetts*
Gonzalvo, F. A., A.B.	*Dominican Republic*
Holden, F. Allan	*Maryland*
Hooper, Zebulon Vance	*North Carolina*
Hutnick, Stephen	*Pennsylvania*
Jackvony, Albert H., Phar.D.,	*Rhode Island*
Janer, Angel	*Porto Rico*
* Jones, Bennie R., B.S., D.D.S.	*Maryland*
Kane, Leo Vincent, A.B.	*New Jersey*
Kaufman, Edward Leo	*West Virginia*
* Kelly, Harold E.	*Virginia*
Kenure, James Thomas, B.S.	*Connecticut*
Kinney, James P.	*New York*
Knotts, Earl Paul, B.S.	*Maryland*
Kourey, Salem William	*Iowa*
* Kramer, John E.	*Maryland*
Lombard, Nicholas T., Phar.D.	*Maryland*
Lueders, Jr., William	*Maryland*
McGill, Waldo Knox, A.B.	*South Carolina*
Marshall, Charles Benton	*West Virginia*
Martin, William Francis	*North Carolina*
Matthews, Stanley William,	*North Carolina*
Meadows, Stanley Joseph	*Maryland*
Medairy, George Curtis	*Maryland*
Medcalf, John William	*Ohio*
* Mercier, Albin Scott, A.B.	*Maryland*
Morris, Byron McNeely	*Pennsylvania*
Navarro, Armando Silva	*Porto Rico*
Pacienzo, Frank Anthony	*Maryland*
Perry, Clayton Charles	*Pennsylvania*
Pessagno, Daniel J., A.B.	*Maryland*
* Picker, Adolph	*Germany*
Ponte, Jr., Joseph Perry	*Massachusetts*
Pugh, James Clyde	*Ohio*
Quevedo, de, Rafael Garcia	*Porto Rico*
Quinones, Norberto A.	*Porto Rico*
Reddington, Lawrence Joseph	*Maryland*
Reese, John G. M.	*Maryland*
Richardson, Ray W.	*Maryland*
Rigney, Jr., Lawrence Joseph	*Delaware*
Schoenheit, Edward W.	*North Carolina*
Sheppard, H., Jr.,	*North Carolina*
Skaggs, James William	*West Virginia*
Smith, Frederick Bruce	*Maryland*
Stein, Nathan	*New York*
Tolson, Jr., Howard Lee	*Maryland*
Ward, Edwin J.	*Maryland*
Warren, John Freeman	*New York*
Wells, George Edward	*West Virginia*
* Willinger, Lawrence J.	*Maryland*
Wilson, Harold Lee, A.B.	*Delaware*
Wissig, George Leroy	*Maryland*
* Woodhull, Rollin Y.	*Oklahoma*
Woodruff, Julian Smith	*North Carolina*
Zinberg, Israel Saul	*Maryland*

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* Not in attendance the entire session.

GENERAL SUMMARY OF STUDENTS ATTENDING THE UNIVERSITY OF MARYLAND, SESSION OF 1916–17.

Department of Arts and Sciences (St. John's College)	194
Department of Medicine	331
Department of Law	425
Department of Dentistry	207
Department of Pharmacy	95
Training Schools for Nurses	228
Total	1480

GRADUATES UNIVERSITY OF MARYLAND, SCHOOL OF MEDICINE AND COLLEGE OF PHYSICIANS AND SURGEONS, JUNE 1, 1917.

Name	State
Armstrong, Fred Francis	*Connecticut*
Audet, Charles Henry	*Massachusetts*
Bampfield, Fred J.	*Canada*
Barishaw, Samuel	*New Jersey*
Bennet, DaCosta F.	*Maine*
Bloom, George Homer	*Pennsylvania*
Bloom, Lawrence Hughes	*Pennsylvania*
Bohl, Louis Joseph	*New Jersey*
Bonner, Octavius B.	*North Carolina*
Brounshas, Ipolitas B.	*New York*
Burrows, Ernest Allen	*Massachusetts*
Carroll, Henry Roland	*Maryland*
Champlin, Roy D.	*New York*
Clark Frederick Harlow	*Georgia*
Collins, Henry J.	*Massachusetts*
Covey, William Crocket	*West Virginia*
Cumin, Milton H.	*Maryland*
Daves, John Thomas	*Virginia*
Davidson, William Brown	*Rhode Island*
Doyle, Joseph F.	*New Hampshire*
Duffy, Vincent P.	*West Virginia*
Ehlers, Reginald G. M.	*California*
Eisenberg, Albert	*Maryland*
Eleder, Franklin Charles	*Maryland*
Fay, Daniel E.	*Maryland*
Fernandez, Luis J.	*Porto Rico*
Gallagher, William Edward	*New York*
Hartman, George Otto	*Ohio*
Hedrick, Erland H.	*West Virginia*
Hertzog, Francis Carl	*Pennsylvania*
Holm, Hans Christian	*Denmark*
Holmes, James	*Massachusetts*
Huff, Wheeler O.	*Maryland*
Kaufman, Edgar Wayne	*Pennsylvania*
Ketcherside, Hilary D.	*Arizona*
Kirk, William Van	*West Virginia*
Krause, Louis A.M.	*Maryland*
Lasher, Lemuel A.	*Pennsylvania*
Legge, Kenneth D.	*District of Columbia*
MacGregor, Allan W.	*Connecticut*
McClintock, George Lorenze	*Maryland*
Machin, Frank H.	*Maryland*
Marston, James Graham	*Maryland*
Martinez, Jose	*Porto Rico*
Mason, Frank Ebaugh	*Maryland*
Miller, Wilfred Porter	*New York*
Montgomery, Mathison J.	*Pennsylvania*
Moran, Arthur B.	*Connecticut*
Moyers, Emmett D.	*West Virginia*
Nohe, Carl Clyde	*West Virginia*
Nolan, Francis F.	*Virginia*
Norris, J. Edward	*Maryland*
Ogden, Frank Nevin	*Maryland*
Payawall, Juan L.	*Philippine Islands*
Peeler, Casper Smith	*Florida*
Petrulias, George A.	*Greece*
Porterfield, Marvin H.	*West Virginia*
Reddig, Clarence Mansfield	*Pennsylvania*
Reitzel, Elbert Coy	*North Carolina*
Rigau, Gabriel	*Porto Rico*
Rigby, Samuel B.	*Utah*
Rodriguez, Antonio	*Porto Rico*
Salan, Joseph	*Indiana*
Shinn, Herbert L.	*District of Columbia*
Silverstein, Max	*New Jersey*
Skilling, John Galen	*Maryland*
Smith, Leroy Henry	*Maine*
Smith, Leo L.	*Oklahoma*
Steine, Albert	*Massachusetts*
Tarkington, Grayson E.	*Arkansas*
Thomas, Charles Roberts	*Maryland*
Vaughan, George W.	*Maryland*
Viewig, Max William	*West Virginia*
Weber, John J.	*Maryland*
Welch, Robert S. G.	*Maryland*
Wheeler, Howard Laurence	*Maryland*
Whistler, Edward L.	*Pennsylvania*
White, George Lawrence	*Maryland*
Williams, William C.	*North Carolina*
Wolff, Carl Otto	*North Carolina*
Wolford, Roy Azariah	*West Virginia*
Worrell, Churchill F.	*Virginia*

PRIZEMEN

University Prize—*Gold Medal*.....Louis A. M. Krause

Certificates of Honor

Edgar Wayne Kaufman
Luis J. Fernandez
Frank Nevin Ogden
Carl Otto Wolff
Franklin Charles Eleder

THE UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE

AND

COLLEGE OF PHYSICIANS AND SURGEONS.

UNITED IN 1915, AND HEREAFTER THE TWO SCHOOLS WILL BE CONDUCTED AS ONE.

As a result of the merger accomplished in 1915 the combined schools offer the student the abundant resources of both institutions, and, in addition, by earlier combination with the Baltimore Medical College, the entire equipment of three large medical colleges.

The School of Medicine of the University of Maryland is one of the oldest foundations for medical education in America, ranking fifth in point of age among the medical colleges of the United States. It was chartered in 1807, under the name of the College of Medicine of Maryland, and its first class was graduated in 1810. In 1812 the College was empowered by the Legislature to annex three other colleges or faculties, of Divinity, of Law and of Arts and Sciences, and the four colleges thus united were "constituted an University by the name and under the title of the University of Maryland."

Established thus for more than a century, the School of Medicine of the University of Maryland has always been a leading medical college, especially prominent in the South and widely known and highly honored throughout the country.

The beautiful college building at Lombard and Greene Streets, erected in 1814–1815, is the oldest structure in America devoted to medical teaching. Here was founded one of the first medical libraries and the first medical college library in the United States.

Here for the first time in America dissecting was made a compulsory part of the curriculum; here instruction in Dentistry was first given (1837), and here were first installed independent chairs for the teaching of Diseases of Women and Children (1867) and of Eye and Ear Diseases (1873).

The School of Medicine was one of the first to provide for adequate clinical instruction by the erection in 1823 of its own

hospital, and in this hospital intra mural residency for the senior student, now available for the whole class, was first established.

In 1913 juncture was brought about with the Baltimore Medical College, an institution of 32 years growth. By this association the facilities of the School of Medicine were enlarged in faculty, equipment and hospital connection.

The College of Physicians and Surgeons was incorporated under the Legislative enactment in 1872 and established on Hanover Street in a building afterwards known as the Maternité, the first obstetrical hospital in Maryland. In 1878 union was effected with the Washington University School of Medicine, in existence since 1827, and the College was removed to its present location at Calvert and Saratoga Streets. By this arrangement, medical control of the City Hospital, now the Mercy Hospital, was obtained, and on this foundation in 1899 the present admirable college building was erected.

CLINICAL FACILITIES.

HOSPITALS AND DISPENSARIES.

UNIVERSITY HOSPITAL.

The University Hospital, which is the property of the Faculty of Physic of the University of Maryland, is the oldest institution for the care of the sick in the State of Maryland. It was opened in September, 1823, under the name of the Baltimore Infirmary, and at that time consisted of but four wards, one of which was reserved for eye cases. By successive additions this hospital was increased to more than fourfold its original accommodations, there being added to it a large clinical amphitheater, a students' building for the accommodation of the thirty clinical assistants, and a nurses' building for the accommodation of the pupils of the Training School for Nurses. The yearly increase in the number of patients seeking admission to the hospital, however, more than kept pace with the increase in accommodations, and the Faculty therefore erected an entirely new and modern hospital of fully double the capacity of the former building.

The University Hospital is constructed of brick and Tennessee limestone in the Colonial style of architecture, fronting 175 feet upon Lombard Street, and about the same on Greene Street. It is supplied with the most modern and approved system of heating, ventilation,

etc., and equipped with all modern requirements and conveniences for the care of the sick, and for the clinical instruction of the students of the University.

It is one of the largest and finest hospitals owned and controlled by any medical school in America, and in point of architectural beauty, convenience and completeness of arrangements and equipment compares favorably with other hospitals.

An important adjunct to the hospital is the postmortem building, which is constructed with special reference to the instruction of students in pathological anatomy.

The hospital is situated opposite the University building, so that the student loses no time in passing from the lecture halls to the clinical amphitheater.

A portion of the hospital is used as a marine hospital for foreign seamen. The great importance of Baltimore as a shipping point brings into her harbor many vessels from all parts of the world, and the sick sailors who are cared for in the wards of the institution give the students an opportunity to observe a large variety of diseases. Another considerable portion of the building is used as a Municipal Hospital, and contains charity beds supported by the city of Baltimore. This department of the hospital is taxed to its utmost capacity to afford accommodations for the patients seeking admission.

Owing to its location, being the nearest hospital to the largest manufacturing district of the city, the University Hospital receives for treatment a very large number of accident cases of all kinds, both slight and serious. These cases, as well as patients suffering from the various diseases of our own climate, occupy the beds, and add greatly to the facilities of clinical teaching enjoyed by the school. The facilities for clinical instruction have been greatly enlarged by an appropriation by the State of Maryland for the support of free beds for patients from the various counties.

MERCY HOSPITAL.

The Sisters of Mercy first assumed charge of the Hospital at the corner of Calvert and Saratoga streets, then owned by the Washington University, in 1875. By the merger of 1878 the Hospital came under the control of the College of Physicians and Surgeons, but the Sisters continued their work of ministering to the patients.

In a very few years it became apparent that the City Hospital, as it was then called, was much too small to accommodate the rapidly

growing demands upon it. However, it was not until 1888 that the Sisters of Mercy with the assistance of the Faculty of the College of Physicians and Surgeons, were able to lay the corner stone of the present Hospital. This building was completed and occupied late in 1889. Since then the growing demands for more space has compelled the erection of additions until now there are accommodations for 351 patients.

In 1909 the name was changed from The Baltimore City Hospital to Mercy Hospital.

Mercy Hospital is located in the center of a city of 700,000 inhabitants and is under the exclusive medical control of the College of Physicians and Surgeons. It adjoins the College building and all surgical patients from the public wards are operated upon in the College operating rooms. This union of the Hospital and College buildings greatly facilitates the clinical teaching as there is no time lost in passing from one to the other.

Mercy Hospital is the hospital of the United Railways and Electric Company of Baltimore City, and receives patients from the Baltimore and Ohio Railroad Company and from the Pennsylvania Railroad Company and its branches.

During the calendar year of 1916 there were treated in the wards of the Hospital 6,073 patients. That the emergency service is very large is shown by the fact that during this time 5,810 ambulant cases were treated in the accident department. In other out-patient departments there were treated 9,533 patients, making a total of 21,416 ill or injured people who applied for treatment during one year.

THE MARYLAND GENERAL HOSPITAL.

The Maryland General Hospital situated at Madison Street and Linden Avenue has a capacity of 185 beds and furnishes a large amount of clinical material which is under the control of the Faculty of Physic for teaching purposes.

A new operating suite has just been completed, modern in every particular and adapted to the teaching of small sections of students. There is also a clinical amphitheatre for larger classes of students, in close proximity to the wards. The hospital treated during the last calendar year 2,692 patients in the ward and 8,549 outdoor patients. Seventeen hundred and thirty-two surgical operations were performed.

The hospital receives appropriations from the State of Maryland and the City of Baltimore for the support of charity cases.

FRANKLIN SQUARE HOSPITAL.

The Franklin Square Hospital has a capacity of 100 beds. During the year ending December 31, 1916, 2575 cases were treated in the hospital, and 1834 patients were treated in the dispensary. Eight hundred and fifty surgical operations were performed in the hospital.

LYING-IN HOSPITALS.

MATERNITY HOSPITAL OF THE UNIVERSITY OF MARYLAND.

This institution is also the property of the Faculty of Physic, and under its exclusive control and direction, and is conducted with the special purpose of furnishing actual obstetrical experience to each member of the graduating class.

New accommodations have been provided in the general hospital, and the Maternity Department now offers better facilities than ever before, while the large increase in clinical material has made it possible to offer excellent opportunities for post-graduate work.

MARYLAND LYING-IN HOSPITAL.

This hospital adjoins the Maryland General Hospital and furnishes an abundance of clinical material which is under the control of the Faculty of Physic.

MARYLAND LYING-IN ASYLUM.

This hospital was established by the College of Physicians and Surgeons in 1874. It is the pioneer institution of its kind in the State of Maryland and one of the first in the country.

THE WEST END MATERNITY.

The West End Maternity adjoins the Franklin Square Hospital and furnishes an abundance of clinical material, which is under the control of the Faculty of Physic.

OUT-PATIENT CLINIC AND DISPENSARY.

In connection with the University Hospital an out-door obstetrical clinic is conducted, in which every case has careful prenatal supervision, is attended during labor by a graduate physician and

graduate nurse—one senior student also being present—and is visited during the puerperium by the attending student and graduate nurse. Careful prenatal, labor and puerperal records are kept, making this work of extreme value to the medical student, not only from the obstetrical standpoint, but in making him appreciate the value of social service and public health work.

NUMBER OF PATIENTS.

During the year ending December 31, 1916, the number of patients treated in the Lying-In hospitals connected with the School was as follows:

Number of Confinements in Hospitals	1133
Number of Confinements, Out-Patient Department	1171
Average number of cases seen by each student of the graduating class.	46

THE MUNICIPAL HOSPITALS—BAY VIEW.

The clinical advantages of the University have been largely increased by the liberal decision of the Board of Supervisors of City Charities to allow the immense material of these hospitals to be used for the purpose of medical education. There are daily visits and clinics in medicine and surgery by the Staff of the hospitals. The autopsy material is unsurpassed in this country in amount, thoroughness in study, and the use made of it in medical teaching.

The Municipal Hospitals consist of the following separate hospitals:

The General Hospital, 160 beds.

The Hospital for Chronic Cases, 88 beds.

The Municipal Hospital for Tuberculosis, 190 beds.

City Detention Hospital for Insane, 450 beds.

THE PRESBYTERIAN EAR, EYE AND THROAT CHARITY HOSPITAL.

This institution was founded in 1877, through the efforts of late Dr. J. J. Chisolm, then Professor of Diseases of the Eye and Ear in the University of Maryland. It is one of the largest special hospitals in the country.

During the year 1916 there were admitted to the Dispensary and Hospital, 10,272 persons.

The Dispensary and wards of this hospital afford ample facilities for the study of diseases of the eye, ear, nose and throat.

Professor Woods and Dr. Looper are members of the staff, and the clinics are at all times open to the students of the University of Maryland.

THE JAMES LAWRENCE KERNAN HOSPITAL AND INDUSTRIAL SCHOOL OF MARYLAND FOR CRIPPLED CHILDREN.

This institution contains seventy-five beds for the active treatment of deformities. It is situated at "Radnor Park," a colonial estate of sixty-five acres at Hillsdale, one mile from the western city limits, reached by trolley.

This institution has city, state, endowed and private beds and every modern facility for the treatment of orthopedic cases as well as a most beautiful park-like environment and farm, and is closely affiliated with the University of Maryland.

ST. VINCENT'S INFANT ASYLUM.

The facilities of this institution, containing 250 infants and children, have been kindly extended to the University of Maryland by the Sisters of Charity. This large clinic enables this school to present to its students liberal opportunities for the study of diseases of infants and children.

INSTITUTIONS FOR THE TREATMENT OF THE INSANE AND FEEBLE MINDED.

The Sheppard and Enoch Pratt Hospital for the Insane This institution is one of the most modern hospitals for the treatment and care of the insane in this country. It is well endowed and its superintendent is Dr. Edward N. Brush, Professor of Psychiatry at the University of Maryland. In this hospital intensive treatment and study of mental diseases is carried on; a large number of the patients entering voluntarily. The students under the direction of Dr. Brush and his assistants in a series of clinics are shown the early manifestations and the various stages of mental diseases, the methods of treatment, and their effects.

Mount Hope Retreat for the Insane. This hospital contains an average of 1000 patients and is attended by Dr. Chas. G. Hill, Professor of Psychiatry of this faculty. Under the direction of Dr. Hill and his assistants the students are given opportunity for the study of large groups of patients showing all phases of various mental and nervous disorders.

Spring Grove State Hospital. This hospital, a state institution for the treatment of the insane, has a capacity of 780 beds. Dr. J. Percy Wade, associate in Psychiatry, is the superintendent. Students of this school are given a limited number of clinics at this institution.

Springfield State Hospital. This large state institution for treatment of mental diseases is situated at Sykesville, Md. Dr. J. Clement Clark, Associate Professor of Psychiatry is its superintendent. There are accommodations for 1400 patients. At this institution under charge of a capable director is located a modern psychopathic ward where intensive study of the various mental diseases is carried on. Each session the students of this school are given several clinics by Dr. Clark and his assistants.

Rosewood State Training School. This hospital situated in the suburbs of Baltimore is owned and controlled by the State of Maryland. It contains 700 beds devoted to the treatment and training of the feeble minded and epileptics. Dr. Frank W. Keating is the superintendent and is Instructor in Psycho-Asthenics in the University of Maryland. Sections of the Fourth Year class are sent to this hospital for instruction in the proper care of feeble minded and epileptics.

DISPENSARIES.

The three dispensaries associated with the University Hospital, Mercy Hospital and the Maryland General Hospital are organized upon a uniform plan in order that the teaching may be the same in all. Each dispensary has the following departments: Medicine, Surgery, Children, Eye and Ear, Genito-Urinary, Gynecology, Gastro-Enterology, Neurology, Orthopedics, Proctology, Dermatology, Throat and Nose, and Tuberculosis.

All students in their junior year work in the departments of Medicine and Surgery each day in one of the dispensaries.

All students in their senior year work in the special departments one hour each day.

Some idea of the value of these dispensaries for clinical teaching is shown by the number of patients treated. For the year 1916 over sixty thousand visits were made to the dispensaries.

In addition to these the Dental Department, situated upon the grounds of the University, conducts a daily clinic which is open to medical students.

University Hospital Dispensary Report, January 1st to December 31st, 1916. John Houff, M.D., Dispensary Physician

DEPARTMENT	NEW CASES	OLD CASES	TOTAL
Surgical	1,478	3,204	4,682
Medical	1,071	2,119	3,190
Nervous Diseases	331	2,142	2,473
Genito-Urinary	535	1,448	1,983
Eye and Ear	976	2,821	3,797
Women	656	943	1,599
Children	574	737	1,311
Skin	408	757	1,165
Throat and Nose	543	617	1,160
Stomach	283	394	677
Tubercular	392	570	962
Orthopedic	129	635	764
Obstetrical	400	461	861
Diseases of Rectum	48	93	141
	7,824	16,941	24,765

Mercy Hospital Dispensary Report, January 1st, to December 31st, 1916. B. S. Hanna, M.D., Resident Physician

DEPARTMENT	NEW CASES	OLD CASES	TOTAL
Surgery	1,275	3,178	4,453
Genito-Urinary	1,088	3,702	4,790
Stomach	806	1,798	2,604
Nose and Throat	652	1,492	2,144
Skin	501	1,164	1,665
Gynecology	772	1,617	2,389
Neurology	710	1,872	2,582
General Medicine	1,438	3,293	4,731
Children	942	1,728	2,670
Eye and Ear	707	1,666	2,373
Orthopedics	93	73	166
	8,984	21,583	30,576

Maryland General Hospital Dispensary Report, March 1, 1916 to February 18, 1917. Emma N. Belbot, Ph.G., Registrar

DEPARTMENT	NEW CASES	OLD CASES	TOTAL
Surgical	560	1,490	2,050
Medical	620	810	1,430
Nervous	20	25	55
Genito-Urinary	400	1,020	1,420
Eye and Ear	410	1,335	1,745
Women	230	200	430
Children	200	140	340
Skin	125	110	235
Throat and Nose	240	210	450
Obstetric	214	46	260
Proctology	34	40	74
Stomach	20	40	60
	3,073	5,576	8,549
Grand total			63,881

LABORATORIES.

ANATOMICAL LABORATORIES.

These laboratories are in charge of Dr. Smith and his assistants. The University has recently built its own storage and embalming plant, which supplies an abundance of anatomical material. Dissecting tickets must be countersigned as evidence of satisfactory dissecting. Anatomical material is furnished in abundance, free of charge.

CHEMICAL LABORATORY.

The Chemical Laboratory is under the supervision of Dr. Simon, aided by the Demonstrators. Each student during his course has assigned him a table and is fully supplied, with all necessary apparatus and chemicals.

Students of the first year's class will be required to devote six hours weekly to work in this department.

LABORATORY OF EXPERIMENTAL PHYSIOLOGY.

This laboratory occupies the first floor of Gray Laboratory; it includes a large student laboratory, with capacity of forty students, a room completely equipped for mammalian experimentation, a stock-room, and an office for the professor in charge. Within the same building there is an animal room in which there is kept a constant supply of material for experimentation and demonstration. The laboratory is equipped with ample apparatus: there is a complete set of student apparatus available for each group of two students, while the special apparatus for laboratory experimentation and class-room demonstration is adequate for the needs of the courses.

LABORATORY OF PHYSIOLOGICAL CHEMISTRY.

The second year class is given practical instruction in the chemistry of the sugars and proteins as well as a detailed course in the chemistry of the various secretions. The experiments performed by each student are adapted to illustrate not only the physiological but also the pathological conditions which may result in various diseases from perverted metabolism. The chemistry of the food stuffs and its practical bearing upon diet is especially dwelt upon.

The course is essentially practical, only including so much theoretical physiology as is necessary for a proper knowledge of the subject. Graduates and advanced students competent to undertake such work, who desire to pursue special chemical investigation, are given the opportunity under suitable regulations.

LABORATORY OF HISTOLOGY AND EMBRYOLOGY.

This laboratory is fully equipped for teaching Histology and Embryology.

There is a large collection of charts, specimens and apparatus used in teaching. The necessary equipment for the practice of technique is provided.

LABORATORIES OF PATHOLOGY AND BACTERIOLOGY.

The subject of special bacteriology is taught during a portion of the second year in a well equipped laboratory containing sterilizers, water baths, and other necessary equipment for this purpose.

The subject of histopathology is also taught during the second year in a properly equipped laboratory. The details concerning this work are described under the subject of Department of Pathology and Bacteriology.

The instruction in gross pathology is obtained during the third year by attendance upon the autopsies at the University Hospital, the Mercy Hospital, and the Maryland General Hospital, and special instruction in this subject is also given by demonstrations with a large amount of pathological material at the City Hospitals situated at Bay View. The subject of gross pathology is also taught in the third year by means of lectures and demonstrations to sections of the third year class and a special effort is made to apply this subject to the explanation of the symptoms and clinical signs of disease. The instruction in autopsy technique is also given personally to small groups of students.

LABORATORIES OF CLINICAL PATHOLOGY.

These laboratories are fully equipped for the study of practical laboratory work in its relationship to clinical medicine. Each student is supplied with a locker, containing sufficient apparatus for any ordinary examination.

The wards and out-patient departments of the hospitals furnish an abundance of material for study.

By reason of individual equipment, much work outside of class hours is expected of the student.

The class rooms are adequately lighted, and are conveniently situated for teaching purposes.

LIBRARIES.

The University Library, founded in 1813 by the purchase of the collection of Dr. John Crawford, now contains 13,392 volumes, a file of 87 current journals, and several thousand pamphlets and reprints. During the year ending December 31, 1916, 488 volumes were added. It is well stocked with recent literature, including books and periodicals of general interest. The home of the Library is Davidge Hall, a comfortable and commodious building in close proximity to the class rooms and the laboratories of the Medical Department. The Library is open daily during the year, except in August, for use of members of the Faculty, the students, and the profession generally.

Other libraries of Baltimore are the Peabody (181,000 volumes), the Enoch Pratt Free Library (280,000 volumes) and the Library of the Medical and Chirurgical Faculty. The last named library receives the leading medical publications of the world and complete sets of many journals are available.

The libraries are open to students of the Medical School without charge.

The proximity of Washington puts the immense libraries of the national capital at the disposal of students of this school.

THE MUSEUM.

The museum occupies a separate apartment in the main building. It is under the care of the curator, Dr. J. Holmes Smith and his assistants. It contains a large collection of anatomical preparations, plaster casts, charts, models, etc., used in teaching anatomy. It contains also a number of specimens of comparative anatomy. There is a large collection of gross pathological specimens and cut sections mounted for demonstration. For the department of obstetrics, there is an excellent collection of normal and abnormal human embryos.

PUBLICATIONS.

Two journals are published by the University. *The University Gazette* is devoted to the interests of the entire University and is published under the auspices of the General Alumni Association. *The Bulletin of the University of Maryland School of Medicine and College of Physicians and Surgeons* is the publication of the Medical School. Dr. Nathan Winslow is editor.

ANNUAL APPOINTMENTS.

On February first of each session the following annual appointments are made from among the graduates of the school.

TO THE UNIVERSITY HOSPITAL

Medical Superintendent.
Five Senior Residents, viz:
  Two Resident Surgeons.
  One Resident Physician.
  One Resident Gynecologist and Obstetrician.
  One Resident Pathologist.
Thirteen Junior Residents on a rotating service.

A number of students are appointed each year, at the close of the session, as Clinical Assistants in the University Hospital for the summer months.

TO THE MERCY HOSPITAL.

Medical Superintendent.
Six Resident Surgeons.
Five Resident Physicians.
One Resident Gynecologist.
One Resident Obstetrician.
Two Accident Service Residents.
One Ambulance Surgeon.

TO THE MARYLAND GENERAL HOSPITAL.

Medical Superintendent.
Four Senior Residents, viz.:
  One Resident Surgeon.
  One Resident Physician.
  One Resident Gynecologist.
  One Resident Obstetrician.
Eight Junior Residents on a rotating service.

Each resident serves a term in every department, including the pathological laboratory, and Maryland Lying-In Hospital.

Many appointments to other hospitals of Baltimore are made annually, to which graduates of this school are eligible.

REQUIREMENTS FOR MATRICULATION.

Admission to the course in medicine is by a completed Medical Student Certificate issued by the Board of Medical Examiners of Maryland. This certificate is obtained from Prof. Isaac L. Otis, the Entrance Examiner of the Board, on the basis of satisfactory credentials, or by examination and credentials, and is essential for admission to any class.

The requirements for the issuance of the Medical Student Certificate are:

(A) The completion of a standard four-year high school course, or its equivalent, and, in addition,

(B) One year of college credits in chemistry, biology, physics, and two modern languages, to be approved by the examiner.

(A) DETAILS OF THE HIGH SCHOOL REQUIREMENT.

1. Graduation from an accredited high school after pursuing a four-year course based upon an eight-year elementary course or its full equivalent;

or

2. Successfully passing entrance examinations in the following subjects:

(a) Required Ten (10) Units

	Units.
English 3 years	2
Elementary Algebra to quadratics	1
Plane Geometry (first five books)	1
Two years of a foreign language	2
Two of the three sciences—Biology, Chemistry, Physics	2
American History and Civics	1
Ancient History or History of Great Britain and Ireland	1

(b) Electives, Five (5) Units

(1) History and Political Science:	
Mediaeval and Modern History	1 or ½
General History	1 or ½
Civics	½
Economics	½

	Units.
(2) Language:	
English IV	1
French 1 or 2 years	1 or 2
German 1 or 2 years	1 or 2
Greek 1 or 2 years	1 or 2
Hebrew 1 or 2 years	1 or 2
Italian 1 or 2 years	1 or 2
Latin 1 or 2 years	1 or 2
Scandinavian 1 or 2 years	1 or 2
Spanish 1 or 2 years	1 or 2
(3) Mathematics:	
Advanced Algebra	1
Plane Trigonometry	½
Solid Geometry	½
(4) Science:	
Physical Geography and Geology	1
Astronomy	½
Physiology and Hygiene	½
(5) Vocational and cultural subjects:	
Agriculture	1
Bookkeeping	1
Domestic Science	1
Drawing: Mechanical 1 and 2	½ each
Freehand 1 and 2	½ each
Manual Training	1
Music	1
Stenography	1

One unit in any subject is the equivalent of work in that subject for four or five periods per week for a year of at least thirty-six weeks, periods to be not less than forty-five minutes in length. One unit is equivalent to 2 semester credits or 2 points.

(B) DETAILS OF THE COLLEGE REQUIREMENT.

a. The preliminary college year shall extend through one college session of at least thirty-two weeks of actual instruction, including final examinations.

b. In excellence of teaching and in content, the work of this preliminary college year shall be equal to the work done in the freshman year in standard colleges and universities.

c. This preliminary college year shall include courses in physics, chemistry, biology and two of the three languages, English, French and German, each course to embrace at least six or eight hours of didactic and laboratory work in each subject, as shown in the schedule below. It is advisable to make the choice of the two

languages other than that of the mother tongue of the high school preparation.

Schedule

SUBJECT	LECTURES OR RECITATIONS PER WEEK	LABORATORY PERIODS PER WEEK	TOTAL HOURS PER SEMESTER	TOTAL SEMESTER HOURS PER YEAR
Physics (1)	2	2	4	8
Chemistry (1)	2	2	4	8
Biology (1)	2 or 3	2	4	8
Two of the Three: German (3)	3		6	12
Two of the Three: French (3)	3			
Two of the Three: English (3)	3			
Total	12 or 13	6	18	36

Each laboratory period must extend over at least two hours.

Or, expressed in class hours

SUBJECT	TOTAL HOURS LECTURES OR RECITATIONS	TOTAL HOURS LABORATORY WORK	TOTAL MINIMUM HOURS DIDACTIC AND LABORATORY
Physics (1)	64	128	192
Chemistry (1)	64	128	192
Biology (1)	64 or 96	128	128
Two of the Three: German (3)	192		128
Two of the Three: French (3)			
Two of the Three: English (3)			
Total	384 or 416	384	768 or 800

The valuation of credentials can be made by the Entrance Examiner only, and *all* students are advised to obtain from him or from the Dean blank forms on which to prepare a full statement of their previous education well in advance of their coming to Baltimore. Such statements are to be submitted to the Entrance Examiner for his advice as to the course to be pursued.

The Entrance Examiner for Maryland is Prof. Isaac L. Otis, Lombard and Greene Streets, Baltimore. To him must be submitted the credentials of all applicants, and by him is issued the certificate upon which the student is matriculated.

The student is earnestly advised to qualify himself under his State law, and, where such certificates are issued, to receive the

medical students' certificate from the State authorities before entering upon his medical studies. By adopting this course difficulties may be avoided.

Graduates in Medicine desiring to take the Senior Course, without being candidates for the degree, and therefore without examination, may receive a certificate of attendance.

After January 1, 1918, two years of college work will be required for admission to the course in Medicine.

COMBINED COURSE IN ARTS AND MEDICINE.

St. John's College, Annapolis, Md., founded in 1696, is by contract of affiliation styled and recognized as the Department of Arts and Sciences of the University of Maryland.

Students who have completed the Junior Year in St. John's College and who have made an approved choice of electives may if they desire it do the entire work of the Senior Year in the Medical School of the University. If they successfully complete the work of the first medical year they are graduated with their class with the degree of A.B., from St. John's College.

By taking advantage of this privilege a man may complete the Undergraduate and Medical courses in seven years.

During three of these years or until he has completed the work of the Junior class he is a resident student in St. John's College and for four years he is a student in the Medical School in Baltimore.

At the end of the fourth year he receives the A.B. degree, and at the end of the seventh year the M.D. degree, but credit from the Medical School cannot be accepted in subjects for which credit has already been given in the College of Liberal Arts.

In order to meet the increased requirements for matriculation taking effect January 1, 1914, a special Pre-Medical Course in Chemistry, Physics, Biology and French or German is now offered in St. John's College.

RULES.

1. Tickets for practical anatomy must be countersigned by the proper demonstrators. Unless properly countersigned, a ticket will not be accepted as evidence of a completed course.

2. All students are required to stand the spring examinations unless excused by the Dean. No student will be permitted to advance from a lower to a higher class with conditions.

3. A laboratory charge of $10 will be made to each student. A microscope will be furnished each student in the school for his exclusive use. The charge for this will be $5.

4. The graduation fee, which is $30, must be deposited with the Dean before the candidate can be admitted to final examination. This fee is returned in case the examination is unsuccessful.

5. Should a student be required to repeat any year in the course he must pay regular fees.

6. A student failing in final examination for graduation at the end of the fourth year will be required to repeat the entire course of the fourth year and to take examinations in such other branches as may be required, should he be again permitted to enter the school as a candidate for graduation.

7. The general fitness of a candidate for graduation will be taken into consideration by the Faculty as well as the results of his final examination.

All the above rules, as well as the fees stated below, relate to the year ending June 1, 1918, only. The right is reserved to make changes in the curriculum, requirements for graduation, fees and all the regulations whenever the Faculty deem it expedient.

FEES.

Matriculation fee (paid each year)	$5.00
Tuition fee (each year)	165.00
Graduation fee	30.00

Tuition fees are due and payable during October, and if the entire amount is paid at the Dean's office before November 1, the tuition fee for that year will be $160.

The above fees apply to all students who matriculate in this institution for the first time, in any class, for the session beginning October 1, 1915.

Students who have already attended one or more full courses of instruction in this institution will be entitled to complete the course in medicine at the current rates in force at the time of their first full course of lectures in this institution.

Fees for individual courses not less than $25 each.

FACULTY PRIZE.

To stimulate study among the candidates for graduation, the Faculty offers a Gold Medal to the candidate who passes the best

general examination. Certificates of Honor are awarded to the five candidates standing next highest.

SCHOLARSHIPS.

The Dr Samuel Leon Frank Scholarship.

This scholarship, established by Mrs. Bertha Rayner Frank as a memorial of the late Dr. Samuel Leon Frank, an alumnus of this University, entitles the holder to exemption from the payment of the tuition fee of that year.

It is awarded by the Trustees of the Endowment Fund of the University in each year upon nomination of the Faculty of Physic, "to a medical student of the University of Maryland, who in the judgment of said Faculty, is of good character, and in need of pecuniary assistance to continue his medical course."

This scholarship is awarded to a second, third or fourth year student only, who has successfully completed one year's work in the medical course, and no student may hold such scholarship for more than two years.

The Charles M. Hitchcock Scholarships.

From a bequest to the School of Medicine by the late Charles M. Hitchcock, M.D., an alumnus of the University, two scholarships have been established which entitle the holders to exemption from payment of tuition fees for the year.

These scholarships are awarded annually by the Faculty of Physic to students who have meritoriously completed the work of at least the first year of the course in medicine, and who present to the Faculty satisfactory evidence of good moral character, and of inability to continue the course without pecuniary assistance.

The Randolph Winslow Scholarship.

This scholarship, established by Prof. Randolph Winslow, M.D., LL.D., entitles the holder to exemption from the payment of the tuition fee of that year.

It is awarded annually by the Trustees of the Endowment Fund of the University, upon nomination of the Faculty of Physic, to "a needy student of the Senior, Junior, or Sophomore Class of the Medical School.

"He must have maintained an average grade of 85% in all his work up to the time of awarding the scholarship.

"He must be a person of good character and must satisfy the Faculty of Physic that he is worthy of and in need of assistance."

The University Scholarship.

This scholarship, which entitles the holder to exemption from payment of the tuition fee of the year, is awarded annually by the Faculty of Physic to a student of the Senior Class who presents to the Faculty satisfactory evidence of good moral character, and that he is worthy of and in need of assistance to complete the course.

The St. John's Scholarship.

This scholarship is awarded annually by the Faculty of Physic upon the nomination of the President of St. John's College.

It entitles the holder to exemption from the payment of the tuition fee of that year.

NOTICE TO STUDENTS

The personal expenses of students are at least as low in Baltimore as in any large city in the United States. The following estimates of student's personal expenses for the academic year of eight months have been prepared by students, and are based upon actual experience:

Items.	Low.	Average.	Liberal.
Books	$ 18	$ 32	$ 50
College Incidentals		15	20
Board, eight months	96	112	128
Room rent	48	65	80
Clothing and washing	35	50	100
All other expenses	10	20	75
Total	$207	$294	$453

Students will save time and expense upon their arrival in the city by going direct to the School of Medicine on the University grounds, N.E. corner of Lombard and Greene Streets, where the Superintendent of Buildings, who may be found at his office on the

premises, will furnish them with a list of comfortable and convenient boarding houses suitable to their means and wishes.

The Dean will, if desired, attend to the collection of checks and drafts for students.

For further information apply to

J. M. H. Rowland, M. D., *Dean*,
Lombard and Greene Streets.

ORGANIZATION OF THE CURRICULUM.

The following curriculum is the result of a recent and thorough revision of teaching in this school in order to meet modern requirements. The multiplication of specialties in medicine and surgery necessitates a very crowded course and the question of electives is one which very soon will be depended on to solve some of the difficulties.

The curriculum is organized under ten departments.

1. Anatomy (including Histology and Embryology).
2. Physiology.
3. Chemistry including Physiological Chemistry.
4. Materia Medica and Pharmacology.
5. Pathology and Bacteriology.
6. Medicine (including Medical Specialties).
7. Surgery (including Surgical Specialties).
8. Obstetrics.
9. Gynecology.
10. Ophthalmology and Otology.

The instruction is given in four years of graded work.

Several courses of study extend through two years or more, but in no case are the students of different years thrown together in the same course of teaching.

The first and second years are devoted largely to the study of the structures and functions of the normal body and laboratory work occupies most of the student's time during these two years.

Some introductory instruction in Medicine and Surgery is given in the second year. The third and fourth years are almost entirely clinical.

A special feature of instruction in the school is the attempt to bring together teacher and student in close personal relationship. In many courses of instruction the classes are divided into small groups and a large number of teachers insures attention to the needs of each student.

In many courses the final examination as the sole test of proficiency has disappeared and the student's final grade is determined largely by partial examinations, recitations and assigned work carried on throughout the course.

ARRANGEMENT OF CLASSES.

All the teaching of the freshman class is done at Calvert and Saratoga Streets. All the teaching of the sophomore class is done at Lombard and Greene Streets.

The junior class has three hours of didactic teaching each morning. For clinical instruction and laboratory work this class is divided into two sections and the year into semesters. Each section will work for one semester at the University Hospital and one semester at Mercy Hospital.

The senior class is divided into three sections and for this class the year is divided into trimesters. Each section receives clinical instruction for one trimester in the University Hospital, Mercy Hospital and the Maryland General Hospital. In the afternoon the whole class is assembled and has two hours of didactic teaching each day.

This distribution of the classes is made in order to utilize to the best advantage the laboratory space and to bring the students into daily contact with patients in all three of the large hospitals and dispensaries.

DEPARTMENT OF ANATOMY INCLUDING HISTOLOGY AND EMBRYOLOGY.

J. Holmes Smith, M.D.....Professor of Anatomy
Tilghman B. Marden, A.B., M.D.
Professor of Histology and Embryology and Assistant in Anatomy
J. W. Holland, M.D.....Associate Professor of Anatomy
J. L. Wright, M.D.....Associate in Anatomy and Histology
F. L. Jennings, M.D.....Assistant in Anatomy

First Year. Didactic. Three hours each week for thirty-two weeks. This consists of lectures, recitations and conferences.

This course embraces the integuments, myology, angiology, osteology, syndesmology and the peripheral nerves.

Laboratory. Ten hours each week for thirty-two weeks. Abundance of good material is furnished and the student is aided in his work by competent demonstrators. Examinations are held at regular intervals throughout the session, and each student will be held to strict account for material furnished him.

Osteology. Two hours each week for thirty-two weeks. Lectures, demonstrations, and recitations. Each student is furnished a skeleton and a deposit is required to insure its return at the end of the session.

Second Year. *Didactic.* Three hours each week for thirty-two weeks. Lectures, recitations and conferences.

Laboratory. Ten hours each week for sixteen weeks. This course includes topographical and applied anatomy of the body cavities and viscera and the cerebro-spinal and sympathetic nervous systems with special demonstrations of important subjects to the class in small sections.

The teaching of anatomy is illustrated by means of charts, diagrams, special dissections and the projection apparatus.

Histology.

First Year. Lectures, recitations and laboratory work, nine hours each week during first semester; three hours each week during second semester. The most important part of the work will be done in the laboratory, where each student will be provided with a microscope, apparatus, staining fluids and material necessary for the preparation of specimens for microscopical examination. An important aid to the course is the projection microscope which is used for the projection upon a screen of magnified images of the specimens actually used in the laboratory.

Embryology.

Lectures, recitations and laboratory work; six hours each week during the second semester.

This course includes the study of the development of the chick, and the fundamental principles of mammalian embryology. In the laboratory, the hen's egg will be studied in its various stages of development, and sections of the chick at different periods of

incubation will be made and studied microscopically. The latter part of the course will be devoted to the study of sections through different regions of a mammal.

DEPARTMENT OF PHYSIOLOGY.

JOHN C. HEMMETER, M.D., PH.D., SC.D., LL.D.....Professor of Physiology
BARTGIS MCGLONE, A.B., PH.D.....Professor of Physiology
CHARLES C. CONSER, M.D.....Associate Professor of Physiology
FIRMADGE K. NICHOLS, A.B., M.D.....Associate in Physiology
HENRY T. COLLENBERG, A.B., M.D.....Associate in Physiology

The course in Physiology extends throughout the First and Second Years. It consists of a series of lectures, covering the field of human physiology, laboratory work, demonstrations, and frequent recitations. It is constantly in the mind of the department that this course is introductory to the study of medicine. The recitations cover the subject-matter of the lectures and the experiments performed in the laboratory.

FIRST YEAR. 1. This course includes lectures and recitations upon the physiology of the blood and circulation, respiration, muscle and nerve, a portion of the central nervous system, and special senses, and such chemical and physical facts as are necessary for a proper understanding of the physiology taught. Two lectures and a recitation weekly throughout the year. Dr. McGlone.

SECOND YEAR. 2. *Didactic instruction.* During this year the remaining topics of physiology are covered by lectures and demonstrations. As in the first year frequent recitations will be held. The subject-matter includes the physiology of digestion and secretion, nutrition, eye and ear, and the cranial central nervous system. Lectures, demonstrations, and recitations, three hours per week. Dr. Hemmeter, assisted by Drs. Conser or McGlone.

3. *Experimental Physiology.* This is a laboratory course in the dynamics of muscle and nerve, studies in circulation and respiration, and physiology of the special senses. Apart from the acquisition of the facts of physiology, the student is taught to observe accurately, record carefully the results of his observations, and from these results draw an independent conclusion. He is also trained in the use of instruments which are of value to him in his clinical years. Three hours weekly throughout the year. Drs. McGlone, Conser, Nichols and Collenberg.

4. *Special Mammalian Physiology.* This is a Laboratory course intended for advanced Laboratory students (optional) who may wish to do special work in this line of physiology. Hours to be arranged. Dr. McGlone.

5. *Research in Physiology.* Properly qualified students will be admitted to the laboratory which is well adapted for post-graduate study and special research. Hours will be arranged to suit individuals. Dr. John C. Hemmeter.

DEPARTMENT OF CHEMISTRY.

CHARLES E. SIMON, A.B., M.D.....Professor of Physiological Chemistry
E. F. KELLY, Phar.D.....Associate Professor of Chemistry
H. BOYD WYLIE, M.D.....Associate Professor of Physiological Chemistry
FRONTIS LENTZ, Phar.D.....Assistant in Chemistry

FIRST YEAR. *Organic Chemistry.* 1. Lectures and Recitations; two hours per week throughout the session.

The course in organic chemistry is given to freshmen and extends throughout the year, one afternoon being devoted to practical work in the laboratory, and two hours a week to lectures and recitations.

The aim of this course is to familiarize the student with the great rôle which the compounds of carbon play not only in industrial life, but also in medicine, and to lay a foundation upon which he may take up profitably the study of these special organic compounds which are so intimately connected with the manifestations of animal and plant life, and which form the basis of the course in physiological chemistry of the sophomore year.

SECOND YEAR. *Organic and Physiological Chemistry.* 1. Lectures and recitations. One hour per week throughout the session.

This course is essentially a laboratory course extending throughout the year, in which the student studies practically the chemical properties of the various groups of food stuffs, their products of digestion and katabolism, as well as the various organic compounds which enter into the composition of the different tissues and organs of the body.

The practical work is supplemented by a course of lectures in which the student is introduced not only to the chemical aspects of physiological processes, but also to those deviations from the normal which are met with in disease.

DEPARTMENT OF MATERIA MEDICA AND PHARMACOLOGY.

SAMUEL J. FORT, M.D.....Professor of Materia Medica and Pharmacology
BARTGIS MCGLONE.....Associate Professor of Pharmacology
H. L. SINSKEY, M.D.....Associate in Materia Medica

FIRST YEAR. Two hours per week throughout the session, didactic lectures on Materia Medica. Dr. Fort.

A laboratory course in Pharmacy and prescription writing, two hours per week. Dr. Sinsky.

SECOND YEAR. Two hours per week throughout the session on Pharmacology. Dr. Fort.

A laboratory course of two hours per week throughout the session, on the physiological and toxicological action of the more important drugs. Dr. McGlone.

DEPARTMENT OF PATHOLOGY AND BACTERIOLOGY.

WM. ROYAL STOKES, M.D.....Professor of Pathology and Bacteriology
STANDISH MCCLEARY, M.D.....Professor of Pathology
H. R. SPENCER, M.D...Associate Professor of Pathology and Bacteriology
WM. GREENFELD, M.D....Associate Professor of Pathology and Bacteriology
H. J. MALDEIS, M.D.....Associate Professor of Pathology
FRANK W. HACHTEL, M.D.....Associate in Pathology and Bacteriology
C. H. DOUTHIRT, M.D.....Assistant in Bacteriology

Instruction in pathology and in special bacteriology is given in the laboratories to the students of the second year. The course in pathology includes the demonstrations of the gross and microscopic lesions of the various viscera, and the subject of general pathology including inflammation, degeneration and infiltration and tumors.

In special bacteriology the various methods of sterilization and preparation of culture material, the study of the pathogenic microorganisms of vegetable origin, and the bacteriological study of milk, water, sewage and other such materials, are given. The bacteriological diagnosis of the infectious diseases and vaccine therapy are also included in this course. Animal inoculations and autopsies are performed in connection with the bacteria studied, and the diagnoses by means of serum reactions are also given.

In the third year the subject of pathology is continued, special use being made of museum specimens, and the special relationship of gross and microscopic lesions to clinical symptoms and signs of

disease is especially emphasized. Autopsy technique is also taught to small groups of students by special instruction at the autopsies performed at the various hospitals, and the specimens obtained at such autopsies are demonstrated to the entire class. The animal parasites are also taught in this year.

In the fourth year the specimens from autopsies are studied with reference to clinical histories and gross and microscopic anatomy. Special emphasis is laid upon the correlation of the anatomical findings with the clinical symptoms and diagnosis. These clinical pathological conferences are also illustrated with sections of fixed material or lantern slides.

Courses in surgical and gynecological pathology are also given to the fourth year students, but these courses are under the direction of the Departments of Surgery and Gynecology.

MEDICAL JURISPRUDENCE.

Second Year. One hour each week for entire session.

Medical Jurisprudence. This course embraces consideration of medical evidence and testimony, confidential communications, malpractice, indications of death, pregnancy, delivery, infanticide and insanity.

CLINICAL INSTRUCTION.

DEPARTMENT OF SURGERY.

Randolph Winslow, A.M., M.D., LL.D.....Professor of Surgery
Arthur M. Shipley, M.D.....Professor of Surgery
Ridgely B. Warfield, M.D.....Professor of Surgery
Archibald C. Harrison, M.D.....Professor of Surgery
Alexius McGlannan, A.M., M.D.
Professor of Clinical Surgery and Surgical Pathology
Frank Martin, B.S., M.D.....Professor of Clinical and Operative Surgery
J. D. Blake, M.D.....Professor of Clinical Surgery
Joseph H. Branham, M.D.....Professor of Clinical Surgery
Albert T. Chambers, M.D.....Professor of Clinical Surgery
Nathan Winslow, A.M., M.D.....Clinical Professor of Surgery
Alfred Ullman, M.D.....Clinical Professor of Surgery
Walter D. Wise, M.D.....Clinical Professor of Surgery
Joseph W. Holland, M.D.....Clinical Professor of Surgery
William W. Requardt, M.D.....Associate Professor of Surgery
J. C. Lumpkin, M.D.....Associate Professor of Clinical Surgery
H. C. Blake, M.D.....Associate Professor of Clinical Surgery

ROBERT P. BAY, M.D. ..... Associate Professor of Clinical Surgery
FRANK S. LYNN, M.D. ..... Associate Professor of Surgery
ELLIOTT H. HUTCHINS, A.M., M.D. ..... Associate Professor of Surgery
THOMAS R. CHAMBERS, A.B., M.D. ..... Associate Professor of Surgery
HARVEY B. STONE, A.B., M.D. ..... Associate Professor of Surgery
R. W. LOCHER, M.D. ... Associate Professor of Operative and Clinical Surgery
ARTHUR G. BARRETT, M.D. ..... Associate in Surgery
B. M. BERNHEIM, A.B., M.D. ..... Lecturer on Blood Vessel Surgery
F. L. JENNINGS, M.D. ..... Instructor in Surgery
A. M. EVANS, M. D. ..... Assistant in Surgery
E. P. SMITH, M.D. ..... Assistant in Operative Surgery

The course in surgery is progressive, and aims to ground the student firmly in the principals of surgical science in order that later he may be prepared to build upon a firm foundation the superstructure of surgical art.

SECOND YEAR. During this year a practical course of bandaging is given upon the manikin; the student being required to apply personally the various forms of bandages to the different parts of the body.

THIRD YEAR. Surgical Pathology and Principles of Surgery. Lectures, recitations and clinics, three hours weekly. Drs. Shipley and Warfield.

The class is divided in sections and receives instruction in history taking, gross surgical pathology and surgical diagnosis at the bedside and in the dead house in the City Hospitals at Bay View. Drs. Shipley and Lynn.

Operative Surgery. Instruction is given in operative surgery upon the cadaver and on dogs. The class is divided into sections and each section is given practical and individual work under the supervision of the instructors.

This course begins with the study of the general principles of operative surgery; anaesthesia, asepsis, antisepsis, description of instruments and sutures, etc.

The various operations are first described and demonstrated by the instructor, and the student afterward practices them upon the subject.

The entire subject of operative surgery is fully covered. Dr. Martin and assistants.

The class will be divided into small sections for Dispensary service in the University and Mercy Hospitals.

FOURTH YEAR. *Fractures and Dislocations.* Illustrated by charts, drawings, specimens, X-ray demonstrations, lantern slides, and the balopticon, two hours a week for the first semester. Dr. Winslow.

Surgery of the Blood Vascular System, Hernia, Surgery of the Scrotum and its contents, one hour a week for the first semester. Dr. Warfield. At the end of this semester, an examination will be given.

Surgery of the Thorax and Thoracic Wall, the Abdominal Cavity, and of the Head, Neck, and Spinal Cord, two hours a week for the second semester. Dr. Harrison.

Surgical Clinics. Surgical clinics will be given at the University, Mercy, and Maryland General Hospitals, weekly, to one third of the class in each hospital. Drs. Winslow, Warfield, Harrison, and McGlannan.

The class is divided into sections for ward instruction in surgery, for instruction in operative surgery and surgical diagnosis, and the post-operative treatment of surgical conditions, six days a week for two hours each day in each of the three hospitals. Drs. Winslow, Shipley, Warfield, Harrison, Martin and McGlannan.

ANAESTHESIA.

S. Griffith Davis, M.D.....Associate Professor of Anaesthesia
Frank S. Lynn, M.D.....Associate Professor of Anaesthesia
Samuel W. Moore, D.D.S.....Instructor in Anaesthesia
A. M. Evans, M.D.....Instructor in Anaesthesia

The administration of anaesthetics is taught didactially and practically and students are required to administer anaesthetics under the direction of an instructor.

DERMATOLOGY.

T. Caspar Gilchrist, M.R.C.S.,L.S.A.,M.D.....Professor of Dermatology
Melvin Rosenthal, M.D.....Associate Professor of Dermatology
John R. Abercrombie, A.B., M.D .....Associate Professor of Dermatology
L. W. Ketron, A.B., M.D.....Associate Professor of Dermatology
Harry M. Robinson, M.D.....Demonstrator of Dermatology

Clinical conference one hour each week to entire class. This course will consist of demonstrations of the common diseases of the skin. Dr. Gilchrist.

Dispensary instruction, University Hospital, Mondays, Wednesdays and Fridays in the diagnosis and treatment of the common skin diseases. First trimester, Dr. Ketron; second trimester, Dr. Abercrombie; third trimester, Drs. Abercrombie and Ketron. Dispensary instruction, Mercy Hospital, Dr. Rosenthal.

ORTHOPEDIC SURGERY.

R. Tunstall Taylor, A.B., M.D. .....Professor of Orthopedic Surgery
Albertus Cotton, A.M., M.D.....Professor of Orthopedic Surgery
Compton Riely, M.D.....Clinical Professor of Orthopedic Surgery
Sydney M. Cone, A.B., M.D.....Clinical Professor of Orthopedic Surgery
Henry J. Walton, M.D.....Associate in Roentgenology
W. H. Daniels, M.D.....Demonstrator in Orthopedic Surgery
John Evans, M.D.....Instructor in Roentgenology
C. Reid Edwards, M.D.....Assistant in Orthopedic Surgery

In this course didactic, clinical, bed-side and out-patient instruction will be given This instruction is provided in the University Hospital Amphitheater and Dispensary, Maryland General and Mercy Hospitals and Dispensaries, Kernan Hospital and Industrial School for Crippled Children at "Radnor Park," and in the Dispensary of same at 2000 North Charles Street.

The senior class will be divided into three parts, each section spending one trimester in the University, Mercy and Maryland General Hospitals in rotation; and by the avoidance of duplication, the subject will be adequately covered. Lectures, clinics and quizzes will be held at each of the three hospitals once a week. If possible, in addition, a weekly bed-side clinic will be held on Saturdays for small sections of the class at "Radnor Park."

The course will cover instruction in special methods and instruments required in this surgical specialty, including X-Ray technique; Wolff's law; tuberculosis of bones and joints; deformities of the feet; non-tuberculous deformities of the feet and joints; the paralyses; the bursal, tendinous and muscular conditions producing orthopedic affections; rickets; scurvy; osteomalacia; chondrodystrophies; wry-neck and the use and application of orthopedic apparatus.

DISEASES OF THE THROAT AND NOSE.

Samuel K. Merrick, M.D.....Professor of Diseases of the Throat and Nose
John R. Winslow, A.B.,M.D..Professor of Diseases of the Throat and Nose
Frank Dyer Sanger, M.D.....Professor of Diseases of the Throat and Nose
George W. Mitchell, M.D.
Associate Professor of Diseases of the Throat and Nose
H. C. Davis, M.D...Associate Professor of Diseases of the Throat and Nose
George Murgatroyd, M.D....Associate in Diseases of the Throat and Nose
William Caspari, M.D.....Associate in Diseases of the Throat and Nose
H. L. Sinskey, M.D.....Assistant in Diseases of the Throat and Nose

THIRD YEAR. Clinical Lectures. One hour each week throughout the session. Drs. Merrick, John R. Winslow, and Sanger.

FOURTH YEAR. Dispensary instruction daily in small sections at the University, Maryland General, and Mercy Hospitals. Ward classes one hour each week at the University, Maryland General, and Mercy Hospitals.

GENITO-URINARY DISEASES.

GIDEON TIMBERLAKE, M.D.....Professor of Genito-Urinary Diseases
PAGE EDMUNDS, M.D.....Clinical Professor of Genito-Urinary Diseases
W. B. WOLF, M.D.....Associate Professor of Genito-Urinary Diseases
A. J. UNDERHILL, A.B., M.D..Associate Professor of Genito-Urinary Diseases
ANTON G. RYTINA, A.B., M.D.
Associate Professor of Genito-Urinary Diseases

The course, which is entirely clinical, is taught chiefly by personal instruction in the dispensaries of the University, Mercy and Maryland General Hospitals, one trimester being spent at each hospital. The student assumes the responsibility of certain cases under the supervision of instructors.

The course includes the diagnosis, pathology and treatment of venereal diseases and syphilis together with a careful study of the less common genito-urinary diseases. The course includes instruction in urinalysis, in endoscopic and cystoscopic examinations and the use of other instruments for the diagnosis and treatment of genito-urinary diseases. Many minor operations are performed in the out-patient department by students under the supervision of the chiefs of clinic.

DISEASES OF THE COLON AND RECTUM.

G. MILTON LINTHICUM, A.M., M.D.
Professor of Diseases of Rectum and Colon
CHARLES F. BLAKE, M.D.....Professor of Diseases of Rectum and Colon
J. DAWSON REEDER, M.D.
Associate Professor of Diseases of Rectum and Colon
ERNEST G. MARR, M.D.....Instructor in Diseases of Rectum and Colon

FOURTH YEAR. This course is for instruction in diseases of the Colon, Sigmoid Flexure, Rectum and Anus.

One lecture a week throughout the year will be given in the Clinical Amphitheater of the Hospitals. The lecture will cover the essential features of the Anatomy and Physiology of the large intestine; as well as the various diseases to which it is subject. The

importance of diseased conditions and malpositions of the intestines, in relation to systemic disturbances, will be emphasized by demonstrations.

In small groups, the students will be taken into the wards and dispensaries of the University, Mercy, and Maryland General Hospitals, where different phases of the various diseases will be taught by direct observation and examination. The use of the proctoscope and sigmoidoscope in examination of the rectum and sigmoid will be made familiar to each student.

A course in Proctoscopy will be given in the City Hospitals at Bay View, where abundance of material is always obtainable.

DEPARTMENT OF MEDICINE.

Charles W. Mitchell, A.M., M.D.
Gordon Wilson, M.D.
Cary B. Gamble, Jr., A.M., M.D.
Julius Friedenwald, A.M., M.D.
John S. Fulton, A.B., M.D.
Chas. G. Hill, A.M., M.D.
Joseph E. Gichner, M.D.
Irving J. Spear, M.D.
Edward N. Brush, M.D.
John Ruhräh, M.D.
Andrew C. Gillis, A.M., M.D.
Edgar B. Friedenwald, M.D.
Thomas W. Keown, AB., M.D.
Wm. I. Messick, M.D.
A. H. Carroll, M.D.
H. Boyd Wylie, M.D.
J. E. Poulton, M.D.
H. D. McCarty, M.D.
John E. O'Neill, M.D.
G. F. Sargent, M.D.
Frank W. Keating, M.D.
G. S. M. Kieffer, M.D.
J. F. Hawkins, M.D.
D. D. V. Stuart, Jr., M.D.
E. E. Mayer, M.D.
M. H. Todd, A.B., M.D.
John S. Fenby, M.D.
E. Le Compte Cook, M.D.
Frank J. Powers, M.D.
J. W. V. Clift, M.D.
D. C. Streett, AB., M.D.
John C. Hemmeter, M.D., Ph.D., Sc.D., LL.D.
William F. Lockwood, M.D.
Standish McCleary, M.D.
Jose L. Hirsh, A.B., M.D.
Harry Adler, A.B., M.D.
Chas. O'Donovan, A.M., M.D., LL.D.
J. M. Craighill, M.D.
Chas. W. McElfresh, M.D.
C. Hampson Jones, M.B., C.M., M.D.
G. Carroll Lockard, M.D.
Harvey G. Beck, M.D., D.Sc.
E. B. Freeman, B.S., M.D.
J. Clement Clark, M.D.
Hubert C. Knapp, M.D.
G. M. Settle, A.B., M.D.
T. Fred Leitz, M.D.
Wm. H. Smith, M.D.
J. Percy Wade, M.D.
R. C. Metzel, M.D.
Wilbur P. Stubbs, M.D.
J. Harry Ullrich, M.D.
J. J. O'Mara, M.D.
Benjamin Pushkin, M.D.
J. E. Brumback, M.D.
J. G. Stiefel, M.D.
Theodore Morrison, M.D.
M. Feldman, M.D.
C. C. Hableston, M.D.
S. D. Shannon, M.D

PHYSICAL DIAGNOSIS.

Second Year. Didactic lectures and practical demonstrations in medical topography and the physical conditions in health, preparatory to the course in physical diagnosis in the third year. Two and one-half hours each week during the second semester.

Third Year. The class is divided into small groups, and each section receives instruction for the entire session in the medical dispensaries of the hospitals. During the second semester, the students under the supervision of instructors examine and treat patients in the medical dispensaries. During one semester small groups are sent for the afternoon to the city hospitals at Bay View for special instruction in history taking and physical diagnosis. Two hours a week throughout the year is devoted to physical diagnosis. Full class conferences one hour a week throughout the session.

CLINICAL MEDICINE.

Third Year. Lectures and recitations on the principles of medicine, for three hours a week throughout the session. Clinical conference, one hour each week throughout the session.

Fourth Year. Lectures, recitations and clinics to the entire class three hours a week throughout the session.

A clinical pathological conference is held once a week throughout the session, at which the material obtained through operations or at autopsy is studied in relation to the clinical findings.

The whole class, divided between the three hospitals and again subdivided into small groups, receives bedside instruction twelve hours a week throughout the session and has the care of the hospital patients under the direct supervision of the hospital staff, making all examinations and keeping the clinical history of the patient.

During one trimester the student must live in the hospital dormitories, and in this manner receive experience as an intern.

Dispensary instruction is given nine hours a week in the specialties of medicine.

PEDIATRICS.

Third Year. Lecture recitation one hour a week throughout the session.

FOURTH YEAR. Clinic recitation one hour a week throughout the year and in addition ward class instruction to small groups one hour a week during one trimester.

Dispensary instruction in pediatrics is given to small groups throughout the year.

THERAPEUTICS.

Physical Therapeutics. This course consists of weekly lectures and demonstrations on hydrotherapy, thermotherapy, massage, rest and exercise, the Weir Mitchell Treatment, radiotherapy and electrotherapeutics. The basic physiologic principles and actions of the above mentioned agencies are given full consideration and study, and the practical application is observed in the hospital and clinic and in visits to various institutions having well equipped departments for treatment by physical means.

THIRD YEAR. This course is supplementary to that on clinical medicine and an effort is made to familiarize the student with the practical treatment of disease. (One hour a week.)

FOURTH YEAR. This subject is covered in conjunction with the teaching of clinical medicine.

GASTRO-ENTEROLOGY.

FOURTH YEAR. Clinic recitation to each third of the class for one hour a week throughout the session. Dispensary instruction to small groups during part of the session. Practical instruction in the wards in the differential diagnosis of diseased conditions of the alimentary tract.

TUBERCULOSIS.

A practical course is given in the tuberculosis dispensary and at the Municipal Tuberculosis Hospital to small groups, the abundance of the material, both of "incipient" and "advanced cases" making this course of value in the practical recognition of the physical signs of the disease.

NEUROLOGY.

THIRD YEAR. Lectures and recitations one hour each week to entire class throughout the year. This course comprises the study of the anatomy and physiology of the nervous system, the method

of neurological examination, and relationship of signs and symptoms to pathological conditions. The material at the University, Maryland General, and Mercy Hospitals is available.

FOURTH YEAR. Clinical lectures and recitations; one hour each week throughout the entire session.

Clinical Conference, one hour each week to the entire class. This subject is taught at the University, Maryland General, and Mercy Hospitals. All cases presented at these clinics are carefully examined; complete written records are made by the students who demonstrate the cases before the class. These cases are usually assigned one or two weeks before they are presented, and each student in the class must prepare one or more cases during the year.

Ward Class Instruction. In small sections, two hours each week during entire year at the University, Maryland General, and Mercy Hospitals. In these classes the students come in close personal contact with the cases in the wards under the supervision of the instructor.

Dispensary Instruction. Small sections are instructed in the dispensaries of the University, Maryland General, and Mercy Hospitals four afternoons each week. In this way students are brought into contact with nervous diseases in their earlier as well as later manifestations.

Electro Therapeutics. Instruction in the uses of the various types of electrical apparatus is given by lectures and demonstrations in the clinics, the ward classes, and the out-patient department.

PSYCHIATRY.

FOURTH YEAR. This subject is taught by means of didactic and clinical lectures. Abundant material is at the command of this department in the various institutions which are presided over by the teachers in psychiatry. The student is brought into contact with the early manifestations of mental disease in the dispensaries of the University, Maryland General, and Mercy Hospitals, and in a series of clinics opportunity is afforded to observe the course and later manifestations of the disease, often in these same patients, at the Sheppard Enoch Pratt Hospital, Springfield State Hospital, Spring Grove State Hospital, Mount Hope Retreat, Maryland Training School for the Feeble Minded, and City Detention Hospital.

STATE MEDICINE.

Fourth Year. Lectures and demonstrations one hour each week to the entire class throughout the session.

The course in state medicine begins with a study of structure and function of the social organism, as revealed by the numerical analysis of population, births, deaths, sickness and migration. Elementary instruction and practice are given in vital statistics; in medical notification, registration and certification; and in the laws and ordinances concerning public health. The specific hygiene of the preventable diseases is next taken up, such choice being made as will familiarize the student with the epidemiology of the more important communicable diseases, and with the main instruments of prevention: notification, inspection, segregation, isolation, immunization and disinfection. The course is planned from the view point of official practice in public hygiene.

One lecture is given each week to the members of the Senior Class, frequently by Government officials who are recognized authorities on diseases peculiar to the tropics.

DEPARTMENT OF OBSTETRICS.

L. E. Neale, A.M., M.D., LL.D.....Professor of Obstetrics
Geo. W. Dobbin, M.D.....Professor of Obstetrics and Gynecology
J. M. H. Rowland, M.D.....Professor of Obstetrics
Bernard Purcell Muse, M.D.....Professor of Clinical Obstetrics
Charles E. Brack, M.D.....Clinical Professor of Obstetrics
Glenn M. Litsinger, M.D.....Associate Professor of Obstetrics
J. K. B. E. Seegar, M.D.....Associate Professor of Obstetrics
H. S. Gorsuch, M.D.....Associate in Obstetrics
Maurice Lazenby, M.D.....Associate in Obstetrics
Emil Novak, M.D.....Associate in Obstetrics
J. McF. Bergland.....Associate in Obstetrics
H. N. Freeman, M.D.....Instructor in Obstetrics
M. E. Douglass, M.D.....Instructor in Obstetrics
Wm. B. Schapiro, M.D.....Assistant in Obstetrics

Third Year. Lectures and recitations two hours each week by Drs. Neale and Dobbin to entire class. Special obstetric and gynecologic pathology three hours each week by Drs. Brent and Lazenby to class sections in the Pathologic Laboratory. Clinical Obstetrics (bedside and manikin work) three hours each week at the University Hospital by Dr. Neale and his assistants,

and at the Mercy Hospital by Drs. Brack, Litsinger, Lazenby and Novak.

Examinations, one at end of first semester and final one at end of the year. The results of these examinations considered in conjunction with the student's practical work, will determine the grade for the year's work, which grades, if sufficient to give student advanced standing, will count as one-half of the final grade in Obstetrics.

FOURTH YEAR. *Lectures and Clinical Conferences.* Two hours each week to the entire class. Drs. Neale, Dobbin and Rowland.

Ward Classes and Operative Obstetrics (Manikin work). Four hours each week to sections of the class.

Students are required to attend obstetric cases before, during and after confinement in the University Hospital, Maryland Lying-In Hospital and Maryland Lying-In Asylum, as well as in the out-patient department. Each student is required to conduct and make accurate records of at least twelve confinement cases. These out-patient cases are conducted under the supervision of post-graduate instructors, two in number, who devote their whole time to this work.

Mid-year and final examinations will be held, the results of which, considered in conjunction with clinical work and recitations, will make up the remaining half of the final grade.

This School is peculiarly fortunate in the clinical material available for this important branch of medical teaching; more than 2000 cases in the three hospitals and their out-patient departments make a practically inexhaustible clinic.

DEPARTMENT OF GYNECOLOGY.

WILLIAM S. GARDNER, M.D.....Professor of Gynecology
W. B. PERRY, M.D.....Professor of Clinical Gynecology
J. MASON HUNDLEY, M.D.....Professor of Clinical Gynecology
HUGH BRENT, M.D.....Associate Professor of Gynecology
ABRAHAM SAMUELS, M.D.....Associate Professor of Gynecology
E. H. HAYWARD, M.D.....Associate in Gynecology
GEO. A. STRAUSS, M.D.....Associate in Gynecology
R. G. WILLSE, M.D.....Demonstrator of Gynecology
W. K. WHITE, M.D.....Instructor in Gynecology
R. L. MITCHELL, M.D.....Instructor in Gynecology
H. S. STREET, B.S., M.D.....Instructor in Gynecology
J. M. FENTON, M.D.....Assistant in Gynecology
MAURICE LAZENBY, A.B., M.D.....Assistant in Gynecology
L. H. DOUGLASS, M.D.....Assistant in Gynecology

THIRD YEAR. *Didactic Work.* Lectures and recitations one hour each week throughout the session.

Laboratory. Special pathology, both gross and microscopical, studied in connection with the clinical history of each specimen, two hours each week for one semester.

FOURTH YEAR. *Didactic Work.* Lectures and recitations one hour each week throughout the session.

Clinical Work. Six hours weekly for one trimester. In this course a student writes the clinical history of each patient in the ward, makes a general physical examination including the blood and urine, before the patient is brought before the class. One student under supervision gives the anesthetic, a pelvic examination is made by six students, and any operation required is then done before a section of the class small enough to see clearly what is being done and how it is done. On a subsequent day the whole group examine microscopically sections prepared from material removed from patients that have been before them.

DEPARTMENT OF OPHTHALMOLOGY AND OTOLOGY.

HARRY FRIEDENWALD, A.B., M.D...Professor of Ophthalmology and Otology
HIRAM WOODS, A.M., M.D.....Professor of Ophthalmology and Otology
J. FRANK CROUCH, M.D....Professor of Clinical Ophthalmology and Otology
WM. TARUN, M.D.....Clinical Professor of Ophthalmology and Otology
CLYDE A. CLAPP, M.D.....Associate in Ophthalmology and Otology
H. K. FLECKENSTEIN, M.D.....Associate in Ophthalmology and Otology
JOSEPH I. KEMLER, M.D.....Associate in Ophthalmology and Otology
J. W. DOWNEY, M.D.....Associate in Otology
EDWARD A. LOOPER, M.D., D.Oph..Instructor in Ophthalmology and Otology
R. D. WEST, M.D.....Assistant in Ophthalmology and Otology

THIRD YEAR. *Practical Course in the anatomy,* gross and microscopic, and in the *physiology of the eye and the ear;* this course consists of dissections, microscopic sections, demonstration on models, etc., once weekly throughout one half the year.—Dr. Tarun.

Practical Course in the Methods of Examination of the eye, including the use of the ophthalmoscope, and of the ear, including the tests of the auditory apparatus.—Drs. Fleckenstein and Downey.

FOURTH YEAR. *Didactic Course in Diseases of the Eye* once weekly October to February, Dr. Woods; February to close of session, Dr. Harry Friedenwald.

Didactic Course in Diseases of the Ear, Dr. Crouch once weekly for half the year.

Clinics in diseases of the eye and ear to sections of the class once weekly, by Drs. Harry Friedenwald, Woods and Crouch.

Dispensary Instruction to small sections.

The courses in Ophthalmology and Otology are designed to familiarize the students with the common diseases of the eye and ear, their recognition and treatment, with a view to meet the needs of the general practitioner. Special emphasis is laid upon the relation between diseases of the eye and the ear and systemic diseases of other organs.

LABORATORIES OF CLINICAL PATHOLOGY.

Charles E. Simon, A.B., M.D.....Professor of Clinical Pathology
H. J. Maldeis, M.D.....Associate Professor of Clinical Pathology
G. Howard White, A.B., M.D....Associate Professor of Clinical Pathology
Charles C. W. Judd, A.B., M.D.....Associate in Clinical Pathology
H. Boyd Wylie, M.D.....Associate in Clinical Pathology
W. M. Lewis, M.D.....Associate in Clinical Pathology
H. M. Todd, M.D.....Associate in Clinical Pathology

During the *third year* the student is thoroughly drilled in the technique of clinical laboratory work so that he shall be capable of performing all routine examinations which may be called for during his fourth year, in connection with the work in the wards and the dispensary. To this end every student is provided with a microscope for his exclusive use, and every two students with a special laboratory outfit, including blood counters, hemoglobinometers, burettes, pipettes, beakers, test tubes, evaporating dishes, and staining reagents.

The instruction is to a great extent individual, which is rendered possible, owing to the unusually large teaching staff in this department.

The practical work is supplemented by a series of didactic lectures, recitations and demonstrations in which the clinical significance of the microscopical, chemical, bacteriological and serological findings in connection with the examinations of the blood, gastric juice, feces, sputum, urine, exudates and transudates, are thoroughly considered.

During the *fourth year* the student applies in the student laboratories of the various affiliated hospitals what he has learned during the preceding year. To give an idea of the extent to which this work is carried it may be mentioned that at one of these hospitals

alone over 7000 examinations of various kinds were made by students during the past academic year.

The student laboratories are open at all hours of the day, and from 9 to 11 a.m. a special instructor is available to give any assistance that may be desired.

THE UNIVERSITY HOSPITAL TRAINING SCHOOL FOR NURSES.

MARY E. SULLIVAN, R.N., M.U.H. 1911, *Superintendant of Training Schools.*

The University Hospital Training School for Nurses was organized December 14, 1889, and offers a three years' course of training.

Those wishing to obtain the course of instruction must apply personally or by letter to the Superintendent of Nurses, who will furnish printed instructions respecting the personal information to be given by applicants. Letters of application should be accompanied by a statement from a clergyman testifying to good moral character and from a physician certifying to sound health and unimpaired faculties. Applicants must be between twenty-one and thirty-five years of age, of at least average height and physique, and must give satisfactory evidence of fitness in disposition and temperament for the work of nursing.

If approved, applicants are received into the school for a period of six months on probation, during which time demonstration classes are held, and instruction is given in the elementary part of the training.

Classes are formed and pupils are received in the spring and autumn.

High school graduates and women of higher education are given the preference. Their superior preparation makes them better fitted for the opportunities that are opening up in the profession of nursing. Graduates of this school are eligible for Red Cross and all Government work.

The Superintendent of Nurses decides as to the fitness of probationers for the work, and the propriety of retaining or dismissing them, and she may at any time terminate the connection of a pupil with the school in case of misconduct, inefficiency or neglect of duty.

Except under special circumstances failure to pass the examinations at the end of the first year is considered a sufficient cause for the termination of a student's connection with the school.

Students reside in the home and serve as assistants in the various departments of the Hospital for the full three years. They are expected to perform any duty assigned to them by the Superintendent of Nurses.

After the period of probation, students are required, when on duty, to wear the dress prescribed by the Hospital, which is blue and white striped gingham, with white apron and cap and linen collar and cuffs. Probationers are not allowed to wear this dress.

To the University Hospital belongs the honor of bestowing upon its graduates a cap that possesses a real history—the Florence Nightingale cap, installed by Miss Parsons, a graduate of St. Thomas Hospital, London, and the first superintendent of the University Hospital Training School for Nurses.

Day Nurses are on duty from 7 a.m. to 7 p.m. with one hour for dinner, and three hours for rest and recreation. They are given an afternoon each week and part of every Sunday. Each student is required to devote at least one hour daily to lecture, class work or study. A vacation of three weeks is allowed each year.

In sickness all students are cared for gratuitously, but the time so lost must be made up.

The course of training includes practical instruction in the nursing of medical, surgical, orthopedic, gynecological patients, obstetrics, the nursing of children, and the operating room work.

A course of lectures is given by the physicians and surgeons of the University, and class instruction with demonstrations by the Superintendent of Nurses and her assistants. Examinations are held at stated periods.

When the full term of three years is ended, the nurses thus trained will be at liberty to choose their own fields of labor, whether in hospitals, in private families, or in the various branches of social work which offer opportunities for the woman of ability. A diploma is given upon completion of course of training.

In addition to board, lodging and a reasonable amount of laundry work, each student receives an allowance of $5.00 per month to defray the expenses of uniforms, text-books, etc., incidental to her training.

GRADUATES, 1917.

ADELINE BELL CAVANO ..... *Maryland*
JANE ADALINE PENNEWELL ..... *Maryland*
MYRTLE MAY FAHRNEY ..... *Maryland*
ELIZABETH LOUISA MARSH ..... *Maryland*
BERTHA MAY QUIGLEY ..... *Maryland*

Marguerite Eugenia Risley	*Maryland*
Lucy Edith Mouse	*Maryland*
Laura Augusta Keffer	*Virginia*
Lillie Seaton Hedges	*Maryland*
Anna Carlyle Robinson	*New Jersey*
Nancy Josephine Klase	*Virginia*
Jemima Minnis	*Pennsylvania*
Nancy Minnis	*Pennsylvania*
Catherine Ethel Monroe	*Maryland*
Emily Elizabeth Kenney	*Delaware*
Annette Purcelle Stoneham	*Virginia*
Ellen Christene Lloyd	*Maryland*
Elsie Mae Simpson	*Maryland*
Helen Louise Dearmyer	*Michigan*
Rhetta Catherine Shertzer	*Pennsylvania*
Norma Augusta Thorn	*New Jersey*
Anna Roeder Mohler	*District of Columbia*
Olive Ellen Murray	*Maryland*
Leonora Andrews Cecil	*Maryland*

THE MERCY HOSPITAL TRAINING SCHOOL FOR NURSES.

The Mercy Hospital Training School for Nurses, conducted by the Sisters of Mercy and connected with the College of Physicians and Surgeons, was organized and incorporated under the general laws of the State of Maryland in 1899. Its first students were graduated in 1901; and on the passage of the bill for registration in 1904, the Sisters of Mercy, connected with the Hospital service, received certificates as registered nurses.

The Training School was affiliated with the Board of Regents of the State of New York in 1906; and, in the same year, the Alumnae Association was incorporated, having been previously connected with the Associated Alumnae of the United States. The graduates, as active members, have been much interested in the movements of the Maryland Association of Graduate Nurses, to whom they have given every encouragement to uplift the profession in its many works of district nursing, tuberculosis campaign, Red Cross movements, etc.

The requirements for entrance are: highest moral standing, health, intelligence, and a High School education or its equivalent. The age limit is twenty to thirty-five years.

After a three months' probation, candidates, if they possess the necessary qualifications, are admitted to the Training School proper, receiving five dollars a month wherewith to secure uniforms, text books, etc., the education they receive being considered their compensation. The right is reserved to dismiss pupils for any cause

which may be deemed sufficient by the Sister Superior or Superintendent.

The course of training comprises three years of theory and practice. The clinical advantages are exceptional. The medical, surgical, orthopedic, gynecological, obstetrical, children's and dietetic departments give valuable practical experience. The nurses are taught the theory of nursing by class recitations and demonstrations by efficient Sister instructors. Supplementing this training is a course of lectures from the ablest professors of the University of Maryland School of Medicine and College of Physicians and Surgeons, who are untiring in their efforts to keep the School abreast with modern scientific developments.

GRADUATES, 1917.

SISTER M. HILDA BUSHMAN	*Maryland*
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The Maryland General Hospital Training School for Nurses has been in successful operation since 1891.

In 1909 the Training School was registered with the Board of Regents of the State of New York.

Its purpose is to give to young women desiring to understand the science and acquire the art of nursing the sick and injured, the opportunity, through instruction and training, to qualify themselves for efficient and skillful work in their humane and useful mission.

A candidate for admission must be between 19 and 35 years of age.

She must have a High School education or pass an examination in the subjects embraced in, or equivalent to, the first two years' curriculum of the High Schools of the State of Maryland, and is required to fill in a "student nurse's application" furnished by the State Board of Examiners, which is passed upon by Mr. Charles R. Ramft, Examiner of Preliminary Education.

She must present a certificate from her family physician testifying as to good health and proper physical condition, and certificates from two other responsible persons.

The first six months will constitute a period of probation, in which the candidate must show her fitness before she will be finally accepted as a pupil. The school reserves the right of suspension or dismissal at any time, for inefficiency, misconduct, or infraction of the rules of discipline.

A vacation of two weeks each year is granted.

Pupils are cared for without expense in case of illness, provided they remain in the hospital and are attended by members of the Medical Staff.

The full course of instruction will extend over a period of three calendar years. During the probationary period practical demonstrations are given in the class room, four hours each week. Nurses in training receive instruction in the nursing of medical, surgical, orthopedic, gynecological patients, in operating room work, and also in obstetrics and the nursing of children; in addition to which, courses of lectures are given by the visiting physicians and surgeons of the Maryland General Hospital.

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All alumni in good standing are eligible to membership.

The membership fee is $1.00 per annum, payable in March.

The annual meetings are held on or about Commencement Day, and an orator will be selected to deliver an address upon these occasions.

The Banquet, which follows the delivery of the oration, is a reunion of old classmates, to which members who have paid their dues in full and candidates who have paid their initiation fee are admitted without extra charge.

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A committee will be on hand in Davidge Hall at the opening of the session to welcome all new students to the University. This committee will be glad to render assistance in securing comfortable rooms and boarding houses, and will extend every other courtesy possible. Each new student will be handed a copy of the handbook, a publication issued by the Y. M. C. A., containing valuable information.

All young men who intend to enter the University are cordially invited to share in the privileges and work of the Association.

The officers named will be glad to furnish any information desired in regard to the Association, and will be glad to render any assistance. Correspondence should be addressed to B. S. John, President, or A. E. Lindley, Intercollegiate Secretary.

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For catalogue and information, address, CHAS. CASPARI, JR., Dean.

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COLLEGE OF PHYSICIANS AND SURGEONS AND MERCY HOSPITAL

UNIVERSITY HOSPITAL

MARYLAND GENERAL HOSPITAL

VOL. III JULY, 1918 NO. 2

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OF

UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE

AND

COLLEGE OF PHYSICIANS AND SURGEONS

ANNUAL ANNOUNCEMENT
SESSION 1918–1919

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UNIVERSITY HOSPITAL

MARYLAND GENERAL HOSPITAL

BULLETIN

OF THE

UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE

AND

COLLEGE OF PHYSICIANS AND SURGEONS

Successor to THE HOSPITAL BULLETIN, of the University of Maryland, BALTIMORE MEDICAL COLLEGE NEWS, and the JOURNAL of the Alumni Association of the College of Physicians and Surgeons.

VOL. III JULY, 1918 No. 2

ANNUAL ANNOUNCEMENT SESSION 1918-1919

CALENDAR

1918–19

June 1 to September 30.—Daily Clinics at University, Mercy, and Maryland General Hospitals.

September 20.—Examination of Conditioned Students and Examination for Advanced Standing.

October 1.—Regular Session begins.

November 26.—Thanksgiving Recess begins. 6 p.m.

December 2.—Thanksgiving Recess ends. 9 a.m.

December 21.—Christmas Recess begins. 6 p.m.

January 2.—Christmas Recess ends. 9 a.m.

February 22.—Washington's Birthday.

April 16.—Easter Recess begins. 6 p.m.

April 22.—Easter Recess ends. 9 a.m.

June 2.—Commencement.

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OF THE

UNIVERSITY OF MARYLAND.

THE UNIVERSITY is represented by five departments, each having a distinct Faculty of Instruction.

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2d. The School of Medicine in Baltimore, Md. The University of Maryland was established in Baltimore in 1807; The College of Physicians and Surgeons was established in Baltimore in 1872. The consolidated school offers a high grade course in medicine extending over a period of four years, and leading to the degree of Doctor of Medicine.

3d. The School of Law in Baltimore, Md. This school, founded in 1812 and reorganized in 1869, is designed by means of a course of study covering three years to qualify its students for the degree of Bachelor of Laws and for an intelligent practice of the Law.

4th. The School of Dentistry in Baltimore, Md., was founded in 1882, and is designed to teach the art of dentistry as an integral part of the School of Medicine. The course of study leading to the degree of Doctor of Dental Surgery covers a period of four years.

5th. The School of Pharmacy in Baltimore, Md., was established in 1841 as the Maryland College of Pharmacy, and affiliated with the School of Medicine in 1904. The course of study covers two years, and leads to the degree of Graduate in Pharmacy.

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Clyde E. Clapp, M.D.

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G. Murgatroyd, M.D.

Skin.

John R. Abercrombie, A.B., M.D., *Chief of Clinic.*
H. M. Robinson, M.D.

Stomach.

Ernest H. Gaither, M.D.

Nose and Throat.

H. C. Davis, M.D., *Chief of Clinic.*
M. L. Lichtenberg, M.D.
E. G. Breeding, M.D.

Orthopedics.

R. Tunstall Taylor, A.B., M.D., *Professor of Orthopedic Surgery.*
Compton Riely, M.D., *Chief of Clinic.*
W. H. Daniels, M.D.

Genito-Urinary.

GIDEON TIMBERLAKE, M.D., *Clinical Professor of Genito-Urinary Diseases.*
A. J. UNDERHILL, M.D., *Chief of Clinic.*
W. H. COUNCILL, M.D.

Neurology.

IRVING J. SPEAR, M.D., *Professor of Neurology.*
G. M. SETTLE, M.D., *Chief of Clinic.*
B. PUSHKIN, M.D. J. A. SKLADOWSKY, M.D.

Proctology.

G. MILTON LINTHICUM, M.D., *Professor of Diseases of Rectum and Colon.*
J. D. REEDER, M.D., *Chief of Clinic.*

Tuberculosis.

J. E. O'NEILL, M.D., *Chief of Clinic.*

Obstetrics.

L. H. DOUGLASS, M.D., *Chief of Clinic.*
WM. B. SCHAPIRO, M.D.
H. N. FREEMAN, M.D.

X-Ray Department.

HENRY J. WALTON, M.D., *Roentgenologist.*
LEWIS P. O'DONNELL, M.D.

MISS FRANCES MEREDITH, *Chief Nurse, Out-Patient Department.*

DISPENSARY STAFF OF MERCY HOSPITAL.

Physician in Charge.

B. S. HANNA, M.D.

Surgery.

A. C. HARRISON, M.D. T. R. CHAMBERS, M.D.
E. H. HUTCHINS, M.D. F. L. JENNINGS, M.D.
A. M. EVANS. M.D. A. F. HUTCHINS, M.D.
W. W. REQUARDT, M.D.

Genito-Urinary Surgery.

ANTON G. RYTINA, M.D.

WM. J. TODD, M.D. A. E. GOLDSTEIN, M.D.
A. L. TUMBLESON, M.D. HARRIS GOLDMAN, M.D.

Orthopedic Surgery.

ALBERTUS COTTON, M.D. HARRY L. ROGERS, M.D.

Medicine.

B. S. HANNA, M.D. L. J. ROSENTHAL, M.D.
A. C. SORENSON, M.D.

Diseases of Stomach.

JULIUS FRIEDENWALD, M.D. JOHN G. STIEFEL, M.D.
T. FRED'K LEITZ, M.D. THEODORE MORRISON, M.D.
L. A. M. KRAUSE, M.D.

Nervous Diseases.

A. C. GILLIS, M.D. D. D. V. STUART, JR., M.D.
G. F. SARGENT, M.D. G. B. WOLFE, M.D.
OTTO H. DUKER, M.D. J. W. V. CLIFT, M.D.

Diseases of Children.

C. L. JOSLIN, M.D.
F. N. HILLIS, M.D. FRANK AYD, M.D.

Diseases of Women.

W. S. GARDNER, M.D. J. G. ONNEN, M.D.
A. SAMUELS, M.D. C. F. J. COUGHLIN, M.D.

Diseases of Nose and Throat.

FRANK DYER SANGER, M.D.
G. W. MITCHELL, M.D. W. F. ZINN, M.D

Diseases of Eye and Ear.

HARRY FRIEDENWALD, M.D.
H. K. FLECKENSTEIN, M.D. JOS. I. KEMLER, M.D.

Neuro-Otology.

J. W. DOWNEY, JR., M.D.

Diseases of the Rectum.

C. F. BLAKE, M.D.

Diseases of Skin.

MELVIN ROSENTHAL, M.D B. V. KELLY, M.D.

MARYLAND GENERAL HOSPITAL DISPENSARY STAFF.

Committee in Charge.

WM. CASPARI, M.D., *Chairman.* G. M. LINTHICUM, M.D.
A. G. BARRETT, M.D.

Medicine and Children.

CHARLES O'DONOVAN, M.D. H. D. MCCARTY, M.D.

Surgery.

ARTHUR G. BARRETT, M.D. J. D. BUBERT, M.D.
GEORGE SHANNON, M.D.

Eye and Ear.

CLYDE A. CLAPP, M.D. REGINALD D. WEST, M.D.
J. E. BRUMBACK, M.D.

Nose and Throat.

GEORGE W. MURGATROYD, M.D. WM. CASPARI, M.D.

Gastro-Enterology and Proctology.

E. B. FREEMAN, M.D. ERNEST G. MARR, M.D.

Urology.

R. B. KENYON, M.D. E. H. K. ZELLER, M.D.

Gynecology.

W. B. PERRY, M.D. J. M. FENTON, M.D.
J. M. DENNY, M.D.

Dermatology.

R. B. KENYON, M.D. E. H. K. ZELLER, M.D.

Neurology.

GEORGE M. SETTLE M.D. A. C. GILLIS, M.D.
IRVING C. SPEAR, M.D.

MATRICULATES, UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE AND COLLEGE OF PHYSICIANS AND SURGEONS, 1917–1918.

POST-GRADUATES AND SPECIAL STUDENTS.

Name	State
Davis, Emily Haviland, B.A.	*Maryland*
Dickerson, John D., M.D.	*Maryland*
Dunn, John J.	*Maryland*
Eichhorn, Oscar Julius, A.B.	*Maryland*
Ewing, Clinton Leroy	*Maryland*
Gamble, John Reeves, M.D.	*Maryland*
Hollister, William, B.S.	*North Carolina*
Kelly, Mary Loretta	*Maryland*
McPherson, Paul Vestal	*North Carolina*
O'Donnell, Louis P., M.D.	*Florida*
Parker, James R., M.D.	*North Carolina*
Pinquard, Joseph, M.D.	*Tennessee*
Quillen, Emile B., M.D.	*North Carolina*
Scheurich, John A., A.B.	*Maryland*
Suzuki, Yoshio, M.D.	*Japan*
Weamer, J. A., M.D.	*Pennsylvania*

FOURTH YEAR CLASS.

Name	State
Allen, Eustace Andrew, A.B.	*Alabama*
Anderson, Lang W.	*South Carolina*
Bonner, John Bryan	*Norht Carolina*
Borror, William Bruce	*West Virginia*
Briscoe, Everard	*Maryland*
Bross, Samuel I.	*Maryland*
Brown, Joseph Lucien	*Alabama*
Cafritz, Edward A.	*District of Columbia*
Carlin, Edward J.	*New Jersey*
Clark, Harold C.	*New York*
Cooke, G. Carlyle.	*North Carolina*
Coulon, Frank N.	*New Hampshire*
Dalton, William B.	*North Carolina*
Darby, William Arthur	*Maryland*
Deliz, Ramon C.	*Porto Rico*
Diebolder, Oscar A.	*Maryland*
Ephraim, Myer	*Maryland*
Fazenbaker, Anderson Johnson.	*Maryland*
Forbes, Sherman Balch	*Florida*
Frost, Nugent George	*Massachusetts*
Gavronsky, Samuel	*New Jersey*
Giesen, John Jacob, A.B.	*Virginia*
Gore, Michael Alvord, A.B.	*District of Columbia*
Grove, George Hedges	*Maryland*
Hart, Crawford Avery, A.B.	*North Carolina*
Howell, James Edward, B.S.	*North Carolina*
Hunter, Dewitt T.	*North Carolina*
Johnson, Harley Monroe	*South Carolina*
Joyner, James C.	*North Carolina*
Kellam, John Wise	*Virginia*
Kocevar, Martin Francis	*Pennsylvania*
Lynch, Raymond Addison	*West Virginia*
McDade, Brodie Banks	*North Carolina*
McDowell, John Stafford	*New York*
Macke, Clarence E.	*Maryland*
* Mellor, Royal Benjamin	*Maryland*
* Michael, Marion Harlan	*Maryland*
Morgan, Jr., Zachariah Raphael	*Maryland*
Nicklas, John Michael	*Maryland*
Putterman, Morris Nathan	*Maryland*
Reynolds, Paul E.	*Maryland*
Ridgely, Irwin Oliver, A.B.	*Maryland*
Robles, Charles Walter	*Florida*
Rousseau, James Parks	*North Carolina*
Sabiston, Frank	*North Carolina*
Schaefer, John William, B.S.	*District of Columbia*
Seal, Gratta Earle	*West Virginia*
Shaffer, Stewart Seibert	*Pennsylvania*
Shaver, William T.	*North Carolina*
Sindler, Joseph	*Maryland*
Sledge, Robert Franklin, B.S.	*North Carolina*
Speake, Thomas Carlyle, A.B.	*Maryland*
Spoon, Jr., Samuel Clarence	*North Carolina*
Sweet, Alfred Norton	*Connecticut*
Taylor, Joseph Russell	*Pennsylvania*
Thompson, Theodore F.	*New Jersey*
Thoner, John George	*West Virginia*
Tierney, Edward Francis	*Rhode Island*
Trippett, Jr., Lemuel Harrison, A.B.	*West Virginia*
Warlick, Henry C.	*North Carolina*
White, Samuel Howard, A.B.	*South Carolina*

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* Not in attendance the entire session.

THIRD YEAR CLASS.

Name	State
Adams, Edgar Paul	Maryland
Abbott, Lyman Sinclair	Missouri
Alagia, Damian Paul	Maryland
Barker, Frank T.	Florida
Boone, Jr., Walter	South Carolina
Brown, Jr., James	North Carolina
Buchness, John Adam	Maryland
Cregg, Herbert A.	Massachusetts
Davis, Charles W., A.B.	North Carolina
Davis, John Edward	Virginia
Deakyne, Walter Clifton	Delaware
Dye, Frank Ganes	New York
Flippin, Eugene Littlejohn	North Carolina
Fort, Wetherbee	Maryland
Franceschi, Francisco	Porto Rico
Geyer, William G.	Maryland
Goldsborough, Charles Reubell, A.B., A.M.	Maryland
Hartenstein, Albert G., Ph. C.,	West Virginia
Helsabeck, Chester J.	North Carolina
Horine, Cyrus Flook	Maryland
Ingram, W. Hawkins	Maryland
Jacobowitz, Aaron	Pennsylvania
John, Baxter Schooley	Virginia
LaRue, Raymond T.	Ohio
Lonergan, Paul B.	Pennsylvania
Lumpkin, Morgan LeRoy, Ph.B.	Maryland
McElwain, Howard B.	Pennsylvania
McLeod, Walter Guy	North Carolina
Macis, Salvador Albanés, A.B., B.S.	Nicaragua
Mayoral, Jr., Joaquin	Spain
Miller, Daniel	Maryland
Morales, Pablo Otero	Porto Rico
Owens, William Duncan	Georgia
Phillips, Lawrence D.	West Virginia
Pittman, Henry Lee	North Carolina
Reynolds, Roy Rex	Virginia
Richards, Charles William Victor, B.A.	Maryland
Romine, Carl Chester	West Virginia
Stewart, Charles Wilbur	Maryland
* Timko, Louis M.	Pennsylvania
Tiemeyer, Arthur Charles	Maryland
Tull, Myron G., A.B.	Maryland
Vazquez, Rafael S.	Porto Rico
Whitted, Walter Puryear	North Carolina
Wild, Albert.	Connecticut
Wright, Harold E.	New York

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* Not in attendance the entire session.

SECOND YEAR CLASS.

Name	State
Artigiani, Philibert, Phar. D.	Maryland
Aubrey, John Forsyth	Maryland
Banvard, Navy Francis Xavier	New Jersey
Bernabe, Adolfo	Porto Rico
Billingslea, Charles Levine	Maryland
Broadrup, Earl Edgar	Maryland
* Broll, Harry R.	Maryland
Brumback, Lynn Hamilton	Virginia
Bubert, Howard M.	Maryland
Burton, Claud Carter, B.S.	Kentucky
de Cardona, Nestor	Porto Rico
Castro, Andrés Gutierrez, B.A.	Costa Rica
Clarken, Joseph A.	New Jersey
Comas, Alfredo Calero	Cuba
Dobihal, Louis Charles	Maryland
Erwin, John Joseph	West Virginia
Fahndrich, Carl Gustav	Maryland
Finney, Roy Pelham	Virginia
Fleck, Roland F.	Pennsylvania
Ginsburg, Leon	Maryland
Gleason, Joseph Henry	Massachusetts
Gonzalvo, Francisco Antonio	Santo Domingo
Hakim, Rattansha Merwanji	India
Holden, Frederick Allen	Maryland
Hooper, Zebulon Vance	North Carolina
Jackvony, Albert H., Ph.G., Ph.C., Phar.D.	Rhode Island
Janer, Angel	Porto Rico
Kaufman, Edward L.	West Virginia
Kinney, James P.	New York
Kenure, James T., B.S.	Connecticut
Knotts, Earle Paul, B.S.	Maryland
Kourey, Salem W.	Maryland
Lombard, Nicholas Thomas, Phar.D.	Maryland
Lueders, Jr., William	Maryland
McGill, Waldo Knox, A.B.	South Carolina
Mallet, Victor Joseph	New York
Martin, William Francis	North Carolina
Marshall, Charles Benton	West Virginia
Medairy, George Curtis	Maryland
Metcalf, John William	Ohio
Navarro, Armando Silva	Porto Rico
Orr, William Jennings Bryan	North Carolina
Perry, Clayton Charles	Pennsylvania
Pessagno, Daniel J., A.B.	Maryland
Pugh, James Clyde	Ohio
Ponte, Jr., Joseph Perry	Massachusetts
de Quevedo, Rafael Garcia	Porto Rico

Name	State
Quintero, Ernesto	*Porto Rico*
Reddington, Lawrence Joseph	*Maryland*
Reese, John Gottlieb Morris	*Maryland*
Richardson, Ray Walters	*Maryland*
*Rigney, Jr., Lawrence J	*Delaware*
Schoenheit, Edward William	*North Carolina*
Sheppard, Jr., Henry	*North Carolina*
Skaggs, James W	*West Virginia*
Smith, Frederick Bruce	*Maryland*
Tolson, Howard Lee, Jr.	*Maryland*
Ward, Edwin Janvier	*Maryland*
White, Thomas Francis	*Delaware*
Warren, John Freeman	*New York*
Wilson, Harold Lee, A.B	*Delaware*
Wissig, George L	*Maryland*
Woodruff, Julian S	*North Carolina*
Zinberg, Israel Saul	*Maryland*

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* Not in attendance the entire session.

FIRST YEAR CLASS.

Name	State
Austerlitz, John S., Phar.D	*Maryland*
*Bacon, Charles Albert	*Maryland*
Badagliacca, Francis Lucian	*New Jersey*
Barnes, Bruce	*New Jersey*
Benson, Carl Fisher	*Maryland*
*Bentz, Felix John	*Connecticut*
Bernardo, John Ralph	*Delaware*
Bolewicki, Peter Edward, A.B	*Maryland*
Bonfiglio, Vincent	*Maryland*
Bose, Jogesh Chandra	*India*
*Bowers, Jr., Thaddeus Ray	*North Carolina*
*Brown, Harold Vardell	*North Carolina*
Butler, Joseph Charles	*Pennsylvania*
Costa, Oscar Guillermo	*Porto Rico*
Culver, Samuel H	*Delaware*
*Dean, Dawson F	*Ohio*
Decker, Walter Joseph	*Pennsylvania*
Evans, Arnold Lunda, B.S	*Kentucky*
Fisher, C. Fred	*West Virginia*
Fisher, Daniel Sebastian	*Pennsylvania*
Foley, Charles J	*Maryland*
Foreman, Tom Alexander	*North Carolina*
Franklin, Joseph Powell, A.B	*Alabama*
Freedom, Leon	*Maryland*
Fulton, William James	*Maryland*
Golley, Kyle Wood	*Maryland*
Grabill, John Stanley	*Maryland*
*Grempler, Karl F	*Maryland*
Guyton, John Willis	*Maryland*
Hardman, Carney	*West Virginia*
Hawks, Cyrus Eugene	*Virginia*
Henneberger, Cyril Russell	*Maryland*
Holofcener, Julius David	*Maryland*
Isear, Milton Roderick	*South Carolina*
Jaffe, Albert	*Maryland*
Johns, J. Carroll	*Maryland*
Joska, Vincent Vernon	*Maryland*
Joyner, George Richardson	*Virginia*
Keegan, Daniel Francis, A.B	*Massachusetts*
Kemp, Richard Joseph	*Maryland*
Kwilinski, Teofil Stanislaus	*New Jersey*
McCoy, Arley Von, A.B	*West Virginia*
*McCoy, Cecil Glen, A.B	*West Virginia*
Martinez, Ezequiel	*Porto Rico*
Matthews, Stanley William	*North Carolina*
Matthews, Jr., William Edward	*Maryland*
Melendez, Juan Santiago	*Porto Rico*
Mercier, Albin Scott, A.B	*Maryland*
Millan, Lyle Jordan	*Virginia*
Monninger, Arthur Ceril	*Pennsylvania*
Monserrat, Antonio	*Porto Rico*
*Morris, Byron McNeely	*Pennsylvania*
Nash, Alexander Edgar	*Connecticut*
*Nazario, Lorenzo	*Porto Rico*
O'Rourk, Thomas Rutter	*Maryland*
Pacienzo, Frank Anthony	*Maryland*
Paulson, Moses	*Maryland*
Peters, Edgar Allen Poe, B.S	*Kentucky*
Pillsbury, Harold Crockett	*Maryland*
Plyler, Ralph Johnson, A.B.	*North Carolina*
Pokorny, Joseph	*Maryland*
Quinones, Norbert A	*Porto Rico*
Reese, Harry Randolph	*Virginia*
Ries, Ferdinand A	*Maryland*
Robinson, Wilfred John	*Connecticut*
Romilly, Harold A	*Virginia*
Rosario, Pedro	*Porto Rico*
Rudisill, John David, A.B	*North Carolina*
Ryon, James Barry, A.B	*Maryland*
Sabin, Fred C	*New York*
Saporito, Archibald Richard	*New Jersey*
Savage, Philip Joseph	*Connecticut*
Schilling, Jesmond William	*Pennsylvania*
Scotellaro, Nicholas J	*New York*
Seay, Thomas Walter	*Virginia*
Shannan, George Edmon	*Maryland*
Sherman, Solomon	*Maryland*
Shircliff, Elliott Walter	*Maryland*
Shubert, Felix S	*Pennsylvania*
Stein, Nathan	*New York*
Stone, Saul G	*Ohio.*
Sullivan, Edmund John Joseph	*Maryland*
Szczerbicki, John Valentine	*Maryland*
Tilghman, Stanley James	*Maryland*
Trattner, Norman Frey, A.B.	*Pennsylvania*
Wangler, Herman Ernest	*New York*

Name	State	Name	State
Weinberg, Edwin David, A.B.	*Maryland*	Wilson, W. Wellford, Phar. D.	*Maryland*
Wells, George Edward	*Maryland*	Wolfe, James Clinton	*New Jersey*
Wiest, Paul Foreman	*West Virginia*	* Wrenn, John Edwin	*Maryland*
Williams, Mortimer Harry	*Virginia*	Yeager, Leslie, A., B.S.	*New York*
Wilkerson, James Herbert	*Maryland*		

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* Not in attendance the entire session.

GENERAL SUMMARY OF STUDENTS ATTENDING THE UNIVERSITY OF MARYLAND, SESSION OF 1917–18.

Department of Arts and Sciences (St. John's College)	211
Department of Medicine	282
Department of Law	256
Department of Dentistry	215
Department of Pharmacy	73
Training Schools for Nurses	245
Total	1282

GRADUATES UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE AND COLLEGE OF PHYSICIANS AND SURGEONS, JUNE 1, 1918.

Name	*State*
Anderson, Lang W.	*South Carolina*
Bonner, John Bryan	*North Carolina*
Borror, William Bruce	*West Virginia*
Briscoe, Everard	*Maryland*
Bross, Samuel I.	*Maryland*
Brown, Joseph Lucien	*Alabama*
Cafritz, Edward A.	*District of Columbia*
Carlin, Edward J.	*New Jersey*
Clark, Harold C.	*New York*
Dalton, William B.	*North Carolina*
Darby, William Arthur	*Maryland*
Deliz, Ramon C.	*Porto Rico*
Diebolder, Oscar A.	*Maryland*
Ephraim, Myer	*Maryland*
Fazenbaker, Anderson Johnson	*Maryland*
Forbes, Sherman Balch	*Florida*
Frost, Nugent George	*Massachusetts*
Gavronsky, Samuel	*New Jersey*
Giesen, John Jacob, A.B.	*Virginia*
Gore, Michael Alvord, A.B.	*District of Columbia*
Grove, George Hedges	*Maryland*
Hart, Crawford Avery, A.B.	*North Carolina*
Hunter, Dewitt T.	*North Carolina*
Johnson, Harley Monroe	*South Carolina*
Joyner, James C.	*North Carolina*
Kocevar, Martin Francis	*Pennsylvania*
McDade, Brodie Banks	*North Carolina*
McDowell, John Stafford	*New York*
Macke, Clarence E.	*Maryland*
Morgan, Jr., Zachariah Raphael	*Maryland*
Nicklas, John Michael	*Maryland*
Putterman, Morris Nathan	*Maryland*
Ridgely, Irwin Oliver, A.B.	*Maryland*
Robles, Charles Walter	*Florida*
Rousseau, James Parks	*North Carolina*
Sabiston, Frank	*North Carolina*
Seal, Gratta Earle	*West Virginia*
Sindler, Joseph	*Maryland*
Sledge, Robert Frankling, B.S.	*North Carolina*
Speake, Thomas Carlyle, A.B.	*Maryland*
Spoon, Jr., Samuel Clarence	*North Carolina*
Sweet, Alfred Norton	*Connecticut*
Thompson, Theodore F.	*New Jersey*
Trippett, Jr., Lemuel Harrison, A.B.	*West Virginia*
Warlick, Henry C.	*North Carolina*
White, Samuel Howard, A.B.	*South Carolina*

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PRIZEMEN

University Prize—*Gold Medal* ..... Ramon C. Deliz

Certificate of Honor ..... Samuel Howard White

GRADUATES OF JUNE 1, 1917, NOT INCLUDED IN PUBLISHED LIST

Maddison, Walter E. ..... *Utah*
Martin, John Willis ..... *Maryland*
Wheaton, Harry W. ..... *New York*

THE UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE

AND

COLLEGE OF PHYSICIANS AND SURGEONS.

UNITED IN 1915, AND HEREAFTER THE TWO SCHOOLS WILL BE CONDUCTED AS ONE.

As a result of the merger accomplished in 1915 the combined schools offer the student the abundant resources of both institutions, and, in addition, by earlier combination with the Baltimore Medical College, the entire equipment of three large medical colleges.

The School of Medicine of the University of Maryland is one of the oldest foundations for medical education in America, ranking fifth in point of age among the medical colleges of the United States. It was chartered in 1807, under the name of the College of Medicine of Maryland, and its first class was graduated in 1810. In 1812 the College was empowered by the Legislature to annex three other colleges or faculties, of Divinity, of Law and of Arts and Sciences, and the four colleges thus united were "constituted an University by the name and under the title of the University of Maryland."

Established thus for more than a century, the School of Medicine of the University of Maryland has always been a leading medical college, especially prominent in the South and widely known and highly honored throughout the country.

The beautiful college building at Lombard and Greene Streets, erected in 1814–1815, is the oldest structure in America devoted to medical teaching. Here was founded one of the first medical libraries and the first medical college library in the United States.

Here for the first time in America dissecting was made a compulsory part of the curriculum; here instruction in Dentistry was first given (1837), and here were first installed independent chairs for the teaching of Diseases of Women and Children (1867) and of Eye and Ear Diseases (1873).

The School of Medicine was one of the first to provide for adequate clinical instruction by the erection in 1823 of its own

hospital, and in this hospital intra mural residency for the senior student was first established.

In 1913 juncture was brought about with the Baltimore Medical College, an institution of 32 years growth. By this association the facilities of the School of Medicine were enlarged in faculty, equipment and hospital connection.

The College of Physicians and Surgeons was incorporated under the Legislative enactment in 1872 and established on Hanover Street in a building afterwards known as the Maternité, the first obstetrical hospital in Maryland. In 1878 union was effected with the Washington University School of Medicine, in existence since 1827, and the College was removed to its present location at Calvert and Saratoga Streets. By this arrangement, medical control of the City Hospital, now the Mercy Hospital, was obtained, and on this foundation in 1899 the present admirable college building was erected.

CLINICAL FACILITIES.

HOSPITALS AND DISPENSARIES.

UNIVERSITY HOSPITAL.

The University Hospital, which is the property of the Faculty of Physic of the University of Maryland, is the oldest institution for the care of the sick in the State of Maryland. It was opened in September, 1823, under the name of the Baltimore Infirmary, and at that time consisted of but four wards, one of which was reserved for eye cases. By successive additions this hospital was increased to more than fourfold its original accommodations, there being added to it a large clinical amphitheater, a students' building for the accommodation of the thirty clinical assistants, and a nurses' building for the accommodation of the pupils of the Training School for Nurses. The yearly increase in the number of patients seeking admission to the hospital, however, more than kept pace with the increase in accommodations, and the Faculty therefore erected an entirely new and modern hospital of fully double the capacity of the former building.

The University Hospital is constructed of brick and Tennessee limestone in the Colonial style of architecture, fronting 175 feet upon Lombard Street, and about the same on Greene Street. It is supplied with the most modern and approved system of heating, ventilation,

etc., and equipped with all modern requirements and conveniences for the care of the sick, and for the clinical instruction of the students of the University.

It is one of the largest and finest hospitals owned and controlled by any medical school in America, and in point of architectural beauty, convenience and completeness of arrangements and equipment compares favorably with other hospitals.

An important adjunct to the hospital is the postmortem building, which is constructed with special reference to the instruction of students in pathological anatomy.

The hospital is situated opposite the University building, so that the student loses no time in passing from the lecture halls to the clinical amphitheater.

A portion of the hospital is used as a marine hospital for foreign seamen. The great importance of Baltimore as a shipping point brings into her harbor many vessels from all parts of the world, and the sick sailors who are cared for in the wards of the institution give the students an opportunity to observe a large variety of diseases. Another considerable portion of the building is used as a Municipal Hospital, and contains charity beds supported by the city of Baltimore. This department of the hospital is taxed to its utmost capacity to afford accommodations for the patients seeking admission.

Owing to its location, being the nearest hospital to the largest manufacturing district of the city, the University Hospital receives for treatment a very large number of accident cases of all kinds, both slight and serious. These cases, as well as patients suffering from the various diseases of our own climate, occupy the beds, and add greatly to the facilities of clinical teaching enjoyed by the school. The facilities for clinical instruction have been greatly enlarged by an appropriation by the State of Maryland for the support of free beds for patients from the various counties.

MERCY HOSPITAL.

The Sisters of Mercy first assumed charge of the Hospital at the corner of Calvert and Saratoga streets, then owned by the Washington University, in 1875. By the merger of 1878 the Hospital came under the control of the College of Physicians and Surgeons, but the Sisters continued their work of ministering to the patients.

In a very few years it became apparent that the City Hospital, as it was then called, was much too small to accommodate the rapidly

growing demands upon it. However, it was not until 1888 that the Sisters of Mercy with the assistance of the Faculty of the College of Physicians and Surgeons, were able to lay the corner stone of the present Hospital. This building was completed and occupied late in 1889. Since then the growing demands for more space has compelled the erection of additions, until now there are accommodations for 351 patients.

In 1909 the name was changed from The Baltimore City Hospital to Mercy Hospital.

Mercy Hospital is located in the center of a city of 1,000,000 inhabitants and is under the exclusive medical control of the College of Physicians and Surgeons. It adjoins the College building and all surgical patients from the public wards are operated upon in the College operating rooms. This union of the Hospital and College buildings greatly facilitates the clinical teaching, as there is no time lost in passing from one to the other.

Mercy Hospital is the hospital of the United Railways and Electric Company of Baltimore City, and receives patients from the Baltimore and Ohio Railroad Company and from the Pennsylvania Railroad Company and its branches.

During the calendar year of 1917 there were treated in the wards of the Hospital 5,488 patients. That the emergency service is very large is shown by the fact that during this time 5,912 ambulant cases were treated in the accident department. In other out-patient departments there were treated 8,714 patients, making a total of 31,343 ill or injured people who applied for treatment during one year.

THE MARYLAND GENERAL HOSPITAL.

The Maryland General Hospital, situated at Madison Street and Linden Avenue, has a capacity of 175 beds, and furnishes a large amount of clinical material, which is under the control of the Faculty of Physic for teaching purposes.

A new operating suite has just been completed, modern in every particular and adapted to the teaching of small sections of students. The Hospital has been remodeled throughout and new wards added at a cost of $50,000. The hospital treated during the last calendar year 2744 patients in the ward and 9980 outdoor patients. One thousand five hundred and twenty-five surgical operations were performed.

The hospital receives appropriations from the State of Maryland and the City of Baltimore for the support of charity cases.

FRANKLIN SQUARE HOSPITAL.

The Franklin Square Hospital has a capacity of 100 beds. During the year ending December 31, 1917, 1558 cases were treated in the hospital, and 2158 patients were treated in the dispensary. Eight hundred and ninety-eight surgical operations were performed. in the hospital.

LYING-IN HOSPITALS.

MATERNITY HOSPITAL OF THE UNIVERSITY OF MARYLAND.

This institution is also the property of the Faculty of Physic and under its exclusive control and direction, and is conducted with the special purpose of furnishing actual obstetrical experience to each member of the graduating class.

New accommodations have been provided in the general hospital, and the Maternity Department now offers better facilities than ever before, while the large increase in clinical material has made it possible to offer excellent opportunities for post-graduate work.

MARYLAND LYING-IN HOSPITAL.

This hospital adjoins the Maryland General Hospital and furnishes an abundance of clinical material, which is under the control of the Faculty of Physic.

MARYLAND LYING-IN ASYLUM.

This hospital was established by the College of Physicians and Surgeons in 1874. It is the pioneer institution of its kind in the State of Maryland and one of the first in the country.

THE WEST END MATERNITY.

The West End Maternity adjoins the Franklin Square Hospital and furnishes an abundance of clinical material, which is under the control of the Faculty of Physic.

OUT-PATIENT CLINIC AND DISPENSARY.

In connection with the University Hospital an out-door obstetrical clinic is conducted, in which every case has careful prenatal supervision, is attended during labor by a graduate physician and

graduate nurse—one senior student also being present—and is visited during the puerperium by the attending student and graduate nurse. Careful prenatal, labor and puerperal records are kept, making this work of extreme value to the medical student, not only from the obstetrical standpoint, but in making him appreciate the value of social service and public health work.

NUMBER OF PATIENTS.

During the year ending December 31, 1917, the number of patients treated in the Lying-In hospitals connected with the School was as follows:

Number of Confinements in Hospitals	1448
Number of Confinements, Out-Patient Department	677
Average number of cases seen by each student of the graduating class	15

THE MUNICIPAL HOSPITALS—BAY VIEW.

The clinical advantages of the University have been largely increased by the liberal decision of the Board of Supervisors of City Charities to allow the immense material of these hospitals to be used for the purpose of medical education. There are daily visits and clinics in medicine and surgery by the Staff of the hospitals. The autopsy material is unsurpassed in this country in amount, thoroughness in study, and the use made of it in medical teaching.

The Municipal Hospitals consist of the following separate hospitals:

The General Hospital, 160 beds.

The Hospital for Chronic Cases, 88 beds.

The Municipal Hospital for Tuberculosis, 190 beds.

City Detention Hospital for Insane, 450 beds.

THE PRESBYTERIAN EAR, EYE AND THROAT CHARITY HOSPITAL.

This institution was founded in 1877, through the efforts of late Dr. J. J. Chisolm, then Professor of Diseases of the Eye and Ear in the University of Maryland. It is one of the largest special hospitals in the country.

During the year 1917 there were admitted to the Dispensary and Hospital 9,539 persons.

The Dispensary and wards of this hospital afford ample facilities for the study of diseases of the eye, ear, nose and throat.

Professor Woods and Dr. Looper are members of the staff, and the clinics are at all times open to the students of the University of Maryland.

THE JAMES LAWRENCE KERNAN HOSPITAL AND INDUSTRIAL SCHOOL OF MARYLAND FOR CRIPPLED CHILDREN.

This institution contains seventy-five beds for the active treatment of deformities. It is situated at "Radnor Park," a colonial estate of sixty-five acres at Hillsdale, one mile from the western city limits, reached by trolley.

This institution has city, state, endowed and private beds and every modern facility for the treatment of orthopedic cases as well as a most beautiful park-like environment and farm, and is closely affiliated with the University of Maryland.

ST. VINCENT'S INFANT ASYLUM.

The facilities of this institution, containing 250 infants and children, have been kindly extended to the University of Maryland by the Sisters of Charity. This large clinic enables this school to present to its students liberal opportunities for the study of diseases of infants and children.

INSTITUTIONS FOR THE TREATMENT OF THE INSANE AND FEEBLE MINDED.

The Sheppard and Enoch Pratt Hospital for the Insane. This institution is one of the most modern hospitals for the treatment and care of the insane in this country. It is well endowed and its superintendent is Dr. Edward N. Brush, Professor of Psychiatry at the University of Maryland. In this hospital intensive treatment and study of mental diseases is carried on, a large number of the patients entering voluntarily. The students under the direction of Dr. Brush and his assistants in a series of clinics are shown the early manifestations and the various stages of mental diseases, the methods of treatment, and their effects.

Mount Hope Retreat for the Insane. This hospital contains an average of 750 patients and is attended by Dr. Chas. G. Hill, Professor of Psychiatry of this faculty. Under the direction of Dr. Hill and his assistants the students are given opportunity for the study of large groups of patients showing all phases of various mental and nervous disorders.

Spring Grove State Hospital. This hospital, a state institution for the treatment of the insane, has a capacity of 780 beds. Dr. J. Percy Wade, associate in Psychiatry, is the superintendent. Students of this school are given a limited number of clinics at this institution.

Springfield State Hospital. This large state institution for treatment of mental diseases is situated at Sykesville, Md. Dr. J. Clement Clark, Associate Professor of Psychiatry is its superintendent. There are accommodations for 1500 patients. At this institution under charge of a capable director is located a modern psychopathic ward where intensive study of the various mental diseases is carried on. Each session the students of this school are given several clinics by Dr. Clark and his assistants.

DISPENSARIES.

The three dispensaries associated with the University Hospital, the Mercy Hospital and the Maryland General Hospital are organized upon a uniform plan in order that the teaching may be the same in all. Each dispensary has the following departments: Medicine, Surgery, Children, Eye and Ear, Genito-Urinary, Gynecology, Gastro-Enterology, Neurology, Orthopedics, Proctology, Dermatology, Throat and Nose, and Tuberculosis.

All students in their junior year work in the departments of Medicine and Surgery each day in one of the dispensaries.

All students in their senior year work in the special departments one hour each day.

Some idea of the value of these dispensaries for clinical teaching is shown by the number of patients treated. For the year 1917 nearly seventy thousand visits were made to the dispensaries.

In addition to these the Dental Department, situated upon the grounds of the University, conducts a daily clinic which is open to medical students.

University Hospital Dispensary Report, January 1, to December 31, 1917. John Houff, M.D., Dispensary Physician

DEPARTMENT	OLD CASES	NEW CASES	TOTAL
Eye and ear	3,061	1,214	4,275
Surgical	2,309	1,392	3,701
Medical	2,174	1,162	3,336
Genito-Urinary	1,932	546	2,478
Skin	1,383	1,076	2,459
Nerve	1,973	338	2,311
Obstetrics	987	816	1,803
Women	986	725	1,711
Children	795	872	1,667
Nose and Throat	505	641	1,146
Tuberculosis	485	443	928
Orthopedics	577	119	696
Stomach	144	155	299
Rectal	79	59	138
	17,390	9,558	26,948

Mercy Hospital Dispensary Report, January 1, to December 31, 1917. B. S. Hanna, M.D., Resident Physician

	NEW CASES	OLD CASES	TOTAL VISITS
Surgery	1,332	3,970	5,202
Genito-Urinary	1,137	4,155	5,292
Stomach	809	2,230	3,039
Nose and Throat	609	1,209	1,848
Skin	420	1,009	1,429
Diseases of Women	851	1,541	2,392
Nervous Diseases	622	1,621	2,243
General Medicine	1,316	3,389	4,705
Children	716	1,452	2,168
Eye and Ear	730	1,654	2,384
Orthopedic	172	369	541
	8,714	22,629	31,343

Maryland General Hospital Dispensary Report, March 1, 1917, to March 1, 1918. Emma N. Belbot, Ph.G., Registrar

DEPARTMENT	NEW CASES	OLD CASES	TOTAL
Surgical	575	1,850	2,425
Medical	524	801	1,326
Nervous	31	83	110
Genito-Urinary	500	1,950	2,451
Eye and Ear	450	1,601	2,050
Women	323	350	673
Children	162	154	314
Skin	125	168	281
Throat and Nose	300	400	702
Proctology	102	252	357
Stomach	50	150	200
	3,142	7,759	10,889

LABORATORIES.

ANATOMICAL LABORATORIES.

These laboratories are in charge of Dr. Smith and his assistants. The University has recently built its own storage and embalming plant, which supplies an abundance of anatomical material. Dissecting tickets must be countersigned as evidence of satisfactory dissecting. Anatomical material is furnished in abundance, free of charge.

CHEMICAL LABORATORY.

The Chemical Laboratory is under the supervision of Dr. Simon, aided by the Demonstrators. Each student during his course has assigned him a table and is fully supplied with all necessary apparatus and chemicals.

LABORATORY OF EXPERIMENTAL PHYSIOLOGY.

This laboratory occupies the first floor of Gray Laboratory; it includes a large student laboratory, with capacity of forty students, a room completely equipped for mammalian experimentation, a stock-room, and an office for the professor in charge. Within the same building there is an animal room in which there is kept a constant supply of material for experimentation and demonstration. The laboratory is equipped with ample apparatus: there is a complete set of student apparatus available for each group of two students, while the special apparatus for laboratory experimentation and class-room demonstration is adequate for the needs of the courses.

LABORATORY OF PHYSIOLOGICAL CHEMISTRY.

The second year class is given practical instruction in the chemistry of the sugars and proteins as well as a detailed course in the chemistry of the various secretions. The experiments performed by each student are adapted to illustrate not only the physiological but also the pathological conditions which may result in various diseases from perverted metabolism. The chemistry of the food stuffs and its practical bearing upon diet is especially dwelt upon.

The course is essentially practical, including only so much theoretical physiology as is necessary for a proper knowledge of the subject. Graduates and advanced students competent to undertake such work, who desire to pursue special chemical investigation, are given the opportunity under suitable regulations.

LABORATORY OF HISTOLOGY AND EMBRYOLOGY.

This laboratory is fully equipped for teaching Histology and Embryology.

There is a large collection of charts, specimens and apparatus used in teaching. The necessary equipment for the practice of technique is provided.

LABORATORIES OF PATHOLOGY AND BACTERIOLOGY.

The subject of special bacteriology is taught during a portion of the second year in a well equipped laboratory containing sterilizers, water baths, and other necessary equipment for this purpose.

The subject of histopathology is also taught during the second year in a properly equipped laboratory. The details concerning this work are described under the subject of Department of Pathology and Bacteriology.

The instruction in gross pathology is obtained during the third year by attendance upon the autopsies at the University Hospital, the Mercy Hospital, and the Maryland General Hospital, and special instruction in this subject is also given by demonstrations with a large amount of pathological material at the City Hospitals situated at Bay View. The subject of gross pathology is also taught in the third year by means of lectures and demonstrations to sections of the third year class and a special effort is made to apply this subject to the explanation of the symptoms and clinical signs of disease. The instruction in autopsy technique is also given personally to small groups of students.

LABORATORIES OF CLINICAL PATHOLOGY.

These laboratories are fully equipped for the study of practical laboratory work in its relationship to clinical medicine. Each student is supplied with a locker, containing sufficient apparatus for any ordinary examination.

The wards and out-patient departments of the hospitals furnish an abundance of material for study.

By reason of individual equipment, much work outside of class hours is expected of the student.

The class rooms are adequately lighted, and are conveniently situated for teaching purposes.

LIBRARIES.

The University Library, founded in 1813 by the purchase of the collection of Dr. John Crawford, now contains 13,700 volumes, a file of 93 current journals, and several thousand pamphlets and reprints. During the year ending December 31, 1917, 408 volumes were added. It is well stocked with recent literature, including books and periodicals of general interest. The home of the Library is Davidge Hall, a comfortable and commodious building in close proximity to the class rooms and the laboratories of the Medical Department. The Library is open daily during the year, except in August, for use of members of the Faculty, the students, and the profession generally.

Other libraries of Baltimore are the Peabody (181,000 volumes), the Enoch Pratt Free Library (355,817 volumes) and the Library of the Medical and Chirurgical Faculty. The last named library receives the leading medical publications of the world, and complete sets of many journals are available.

The libraries are open to students of the Medical School without charge.

The proximity of Washington puts the immense libraries of the national capital at the disposal of students of this school.

THE MUSEUM.

The museum occupies a separate apartment in the main building. It is under the care of the curator, Dr. J. Holmes Smith and his assistants. It contains a large collection of anatomical preparations, plaster casts, charts, models, etc., used in teaching anatomy. It contains also a number of specimens of comparative anatomy. There is a large collection of gross pathological specimens and cut sections mounted for demonstration. For the department of obstetrics, there is an excellent collection of normal and abnormal human embryos.

PUBLICATIONS.

Two journals are published by the University. *The University Gazette* is devoted to the interests of the entire University and is published under the auspices of the General Alumni Association. *The Bulletin of the University of Maryland School of Medicine and College of Physicians and Surgeons* is the publication of the Medical School. Dr. Nathan Winslow is editor.

ANNUAL APPOINTMENTS.

On February first of each session the following annual appointments are made from among the graduates of the school.

TO THE UNIVERSITY HOSPITAL

Medical Superintendent.
Five Senior Residents, viz:
  Two Resident Surgeons.
  One Resident Physician.
  One Resident Gynecologist and Obstetrician.
  One Resident Pathologist.
Thirteen Junior Residents on a rotating service.

A number of students are appointed each year, at the close of the session, as Clinical Assistants in the University Hospital for the summer months.

TO THE MERCY HOSPITAL.

Medical Superintendent.
Six Resident Surgeons.
Five Resident Physicians.
One Resident Gynecologist.
One Resident Obstetrician.
Two Accident Service Residents.
One Ambulance Surgeon.

TO THE MARYLAND GENERAL HOSPITAL.

Medical Superintendent.
Four Senior Residents, viz.:
  One Resident Surgeon.
  One Resident Physician.
  One Resident Gynecologist.
  One Resident Obstetrician.
Eight Junior Residents on a rotating service.

Each resident serves a term in every department, including the pathological laboratory and the Maryland Lying-In Hospital.

Many appointments to other hospitals of Baltimore are made annually, to which graduates of this school are eligible.

REQUIREMENTS FOR MATRICULATION.

Beginning with this session, 1918-1919, women will be admitted to the Medical Department of this University.

Admission to the course in medicine is by a completed Medical Student Certificate issued by the State Department of Education of Maryland. This certificate is obtained from Prof. Isaac L. Otis, the Supervisor of Entrance to Professional Schools of the Department on the basis of satisfactory credentials, or by examination and credentials, and is essential for admission to any class.

The requirements for the issuance of the Medical Student Certificate are:

(A) The completion of a standard four-year high school course, including English, Biology, Chemistry, Physics and a modern language, or the equivalent, and, in addition,

(B) Two years of college credits, including chemistry, biology, physics, English and German or French.

(A) DETAILS OF THE HIGH SCHOOL REQUIREMENT.

1. Graduation from an accredited high school after pursuing a four-year course based upon an eight-year elementary course or its full equivalent;

or

2. Successfully passing entrance examinations in the following subjects:

(a) Required Eleven (11) Units

	Units.
English 3 years	2
Elementary Algebra to quadratics	1
Plane Geometry (first five books)	1
Two years of a modern language	2
The three sciences—Biology, Chemistry, Physics	3
American History and Civics	1
Ancient History or History of Great Britain and Ireland	1

(b) Electives, Four (4) Units

(1) History and Political Science:

Mediaeval and Modern History	1 or ½
General History	1 or ½
Civics	½
Economics	½

	Units.
(2) Language:	
English IV	1
French 1 or 2 years	1 or 2
German 1 or 2 years	1 or 2
Greek 1 or 2 years	1 or 2
Hebrew 1 or 2 years	1 or 2
Italian 1 or 2 years	1 or 2
Latin 1 or 2 years	1 or 2
Scandinavian 1 or 2 years	1 or 2
Spanish 1 or 2 years	1 or 2
(3) Mathematics:	
Advanced Algebra	1
Plane Trigonometry	½
Solid Geometry	½
(4) Science:	
Physical Geography and Geology	1
Astronomy	½
Physiology and Hygiene	½
(5) Vocational and cultural subjects:	
Agriculture	1
Bookkeeping	1
Domestic Science	1
Drawing: Mechanical 1 and 2	½ each
Freehand 1 and 2	½ each
Manual Training	1
Music	1
Stenography	1

One unit in any subject is the equivalent of work in that subject for five periods per week for a year of at least thirty-six weeks, periods to be not less than forty-five minutes in length. One unit is equivalent to 2 semester credits or 2 points.

(B) DETAILS OF THE COLLEGE REQUIREMENT.

a. The preliminary college course shall extend through two college sessions of at least thirty-two weeks each of actual instruction, including final examinations.

b. In excellence of teaching and in content, the work of this preliminary college course shall be equal to the work done in the freshman and sophomore years in standard colleges and universities.

c. This preliminary college course shall include courses in physics, chemistry, biology and two of the three languages, English, French and German, each course to embrace at least six or eight hours of didactic and laboratory work in each subject, as shown in the schedule below. It is advisable to make the choice of the two

languages, other than the mother tongue, the same as that of the high school preparation.

SCHEDULE OF SUBJECTS OF THE TWO-YEAR PREMEDICAL COLLEGE COURSE.

Sixty Semester Hours Required.

Required Courses:	Semester Hours.
Chemistry (a)	12
Physics (b)	8
Biology (c)	8
English Composition and Literature (d)	6
French or German (e)	6–12

Courses Strongly Urged:	
Advanced Algebra, Solid Geometry and Trigonometry	3– 6
Additional courses in Chemistry	3– 6
An additional Modern Language—French or German (e)	6–12
Psychology	3– 6
Advanced Zoology, Embryology or Comparative Anatomy	3– 6

Suggested Elective Courses:
English (additional), Economics, History, Sociology, Political Science, Logic, Mathematics, Latin, Greek, Drawing.

SUGGESTIONS REGARDING INDIVIDUAL SUBJECTS.

(*a*) Chemistry. Twelve semester hours required, of which six must consist of laboratory work. Of the twelve at least eight semester hours must be in general inorganic chemistry, of which four semester hours must consist of laboratory work. The remaining hours may consist of work in analytic or organic chemistry. When more than two years are spent in college, courses in organic, analytic or physical chemistry may be taken to advantage. Chemistry is probably the most important science fundamental to medicine.

(*b*) Physics. Eight semester hours required, of which at least two must be laboratory work. It is urged that this course be preceded by courses in advanced algebra, solid geometry and trigonometry.

(*c*) Biology. Eight semester hours required, of which four must consist of laboratory work. This requirement may be satisfied by an eight semester hour course in either general biology or zoology, or by four semester hour courses each in zoology and botany.

(*d*) English Composition and Literature. The usual six semester hour introductory college course, or its equivalent, is required.

(*e*) French or German. A reading knowledge of one of these languages is required, and the requirement may be absolved by demonstration on examination, written or oral, of the ability to read fluently medical French or German. When the requirement is absolved by college work, the student must complete the six semester hour course following either the two semester beginner's college course, or the completion of two entrance units of high school work in the language. When the requirement is absolved by an examination, such examination shall be a standard examination, covering a course of at least six semester hours. If credit for such language has been counted toward the required fifteen units of secondary school work, no credit is to be given therefor in the total sixty semester hours of required college work. If the reading knowledge in one of these languages is obtained on the basis of high school work, the student is urged to take the other language in his college course. It is not considered advisable, however, to spend more than twelve of the required sixty semester hours on foreign language. In case a reading knowledge of one language is obtained by six semester hours of college work, another six semester hours may be well spent in taking the beginner's course in the other language; if this is followed up by systematic reading of scientific prose, a reading knowledge of the second language may be readily acquired. When a student spends more than two years in college he may well spend twelve semester hours of his college work in the second language.

The valuation of credentials can be made by the Supervisor of Entrance to Professional Schools only, and *all* students are advised to obtain from him or from the Dean, well in advance of their coming to Baltimore, blank forms on which to prepare a full statement of their previous education. Such statements are to be submitted to the Supervisor for his advice as to the course to be pursued.

The Supervisor for Maryland is Prof. Isaac L. Otis, State Department of Education, McCoy Hall, Baltimore. To him must be submitted the credentials of all applicants, and by him is issued the certificate upon which the student is matriculated.

The student is earnestly advised to qualify himself under his State law, and, where such certificates are issued, to receive the

medical students' certificate from the State authorities before entering upon his medical studies. By adopting this course difficulties may be avoided.

POST-GRADUATE STUDENTS.

Graduates in medicine desiring to take the work of the senior year without being candidates for the degree and, therefore, without examination, may receive a certificate of attendance on completing the full course satisfactorily.

The requirements for graduates in medicine admitted to the fourth year class as candidates for the degree of Doctor of Medicine are the same as those enforced against undergraduates admitted to advanced standing.

COMBINED COURSE IN ARTS AND MEDICINE.

St. John's College, Annapolis, Md., founded in 1696, is by contract of affiliation styled and recognized as the Department of Arts and Sciences of the University of Maryland.

Students who have completed the Junior Year in St. John's College and who have made an approved choice of electives may, if they desire it, do the entire work of the Senior Year in the Medical School of the University. If they successfully complete the work of the first medical year, they are graduated with their class with the degree of A.B. from St. John's College.

By taking advantage of this privilege a man may complete the Undergraduate and Medical courses in seven years.

During three of these years or until he has completed the work of the Junior class he is a resident student in St. John's College and for four years he is a student in the Medical School in Baltimore.

At the end of the fourth year he receives the A.B. degree, and at the end of the seventh year the M.D. degree, but credit from the Medical School cannot be accepted in subjects for which credit has already been given in the College of Liberal Arts.

In order to meet the increased requirements for matriculation taking effect January 1, 1918, a special Pre-Medical Course in Chemistry, Physics, Biology, English, Mathematics, and French or German is now offered in St. John's College.

RULES.

1. Tickets for practical anatomy must be countersigned by the proper demonstrators. Unless properly countersigned, a ticket will not be accepted as evidence of a completed course.

2. All students are required to stand the spring examinations unless excused by the Dean. No student will be permitted to advance from a lower to a higher class with conditions.

3. A laboratory charge of $10 will be made to each student. A microscope will be furnished each student in the school for his exclusive use. The charge for this will be $5.

4. Should a student be required to repeat any year in the course he must pay regular fees.

5. A student failing in final examination for graduation at the end of the fourth year will be required to repeat the entire course of the fourth year and to take examinations in such other branches as may be required, should he be again permitted to enter the school as a candidate for graduation.

6. The general fitness of a candidate for graduation will be taken into consideration by the Faculty as well as the results of his final examination.

All the above rules, as well as the fees stated below, relate to the year ending June 1, 1919, only. The right is reserved to make changes in the curriculum, requirements for graduation, fees and all the regulations whenever the Faculty deem it expedient.

FEES.

Matriculation fee (paid each year)	$5.00
Tuition fee (each year)	175.00
Examination fee (paid each year)	10.00

There will be no graduation fee. No fees are returnable.

Tuition fees are due and payable during October, and if the entire amount is paid at the Dean's office before November 1, the tuition fee for that year will be $170.

The above fees apply to all students who matriculate in this institution in any class for the session beginning October 1, 1918.

SPECIAL COURSES.

Anatomy	$50.00
Physiology	50.00
Pathology	50.00
Embryology	50.00
Bacteriology	50.00
Physiological Chemistry	50.00
Pharmacology	50.00
Clinical Laboratory (four months)	100.00

X-Ray (four months)		100.00
Orthopedic Surgery (four months)		100.00
Genito-Urinary Diseases (four months)		100.00
Gynecology and Gynecological Pathology		100.00–150.00
Obstetrics, Out-Door	6 weeks	$25.00
	4 months	50.00
Out-Door and In-Door	6 weeks	50.00
	4 months	100.00
Surgery (Clinical Surgery, Operative Surgery, Surgical Pathology)		By arrangement
Medicine		By arrangement

If the courses are taken during holidays or if special supervision is desired or additional material required, the charge is made accordingly.

FACULTY PRIZE.

To stimulate study among the candidates for graduation, the Faculty offers a Gold Medal to the candidate who passes the best general examination. Certificates of Honor are awarded to the five candidates standing next highest.

SCHOLARSHIPS.

The Dr. Samuel Leon Frank Scholarship.

This scholarship, established by Mrs. Bertha Rayner Frank as a memorial of the late Dr. Samuel Leon Frank, an alumnus of this University, entitles the holder to exemption from the payment of the tuition fee of that year.

It is awarded by the Trustees of the Endowment Fund of the University in each year upon nomination of the Faculty of Physic, "to a medical student of the University of Maryland, who, in the judgment of said Faculty, is of good character and in need of pecuniary assistance to continue his medical course."

This scholarship is awarded to a second, third or fourth year student only, who has successfully completed one year's work in the medical course, and no student may hold such scholarship for more than two years.

The Charles M. Hitchcock Scholarships.

From a bequest to the School of Medicine by the late Charles M. Hitchcock, M.D., an alumnus of the University, two scholarships have been established which entitle the holders to exemption from payment of tuition fees for the year.

These scholarships are awarded annually by the Faculty of Physic to students who have meritoriously completed the work of at least the first year of the course in medicine, and who present to the Faculty satisfactory evidence of good moral character and of inability to continue the course without pecuniary assistance.

The Randolph Winslow Scholarship.

This scholarship, established by Prof. Randolph Winslow, M.D., LL.D., entitles the holder to exemption from the payment of the tuition fee of that year.

It is awarded annually by the Trustees of the Endowment Fund of the University, upon nomination of the Faculty of Physic, to "a needy student of the Senior, Junior, or Sophomore Class of the Medical School.

"He must have maintained an average grade of 85% in all his work up to the time of awarding the scholarship.

"He must be a person of good character and must satisfy the Faculty of Physic that he is worthy of and in need of assistance."

The University Scholarship.

This scholarship, which entitles the holder to exemption from payment of the tuition fee of the year, is awarded annually by the Faculty of Physic to a student of the Senior Class who presents to the Faculty satisfactory evidence that he is of good moral character and is worthy of and in need of assistance to complete the course.

The St. John's Scholarship.

This scholarship is awarded annually by the Faculty of Physic upon the nomination of the President of St. John's College.

It entitles the holder to exemption from the payment of the tuition fee of that year.

NOTICE TO STUDENTS.

The personal expenses of students are at least as low in Baltimore as in any large city in the United States. The following estimates of student's personal expenses for the academic year of eight months have been prepared by students, and are based upon actual experience:

Items.	Low.	Average.	Liberal.
Books	$ 18	$ 32	$ 50
College Incidentals		15	20
Board, eight months	112	128	144
Room rent	48	65	80
Clothing and washing	35	50	100
All other expenses	10	20	75
Total	$223	$310	$469

Students will save time and expense upon their arrival in the city by going direct to the School of Medicine on the University grounds, N.E. corner of Lombard and Greene Streets, where the Superintendent of Buildings, who may be found at his office on the premises, will furnish them with a list of comfortable and convenient boarding houses suitable to their means and wishes.

The Dean will, if desired, attend to the collection of checks and drafts for students.

For further information apply to

J. M. H. Rowland, M. D., *Dean*,
Lombard and Greene Streets.

ORGANIZATION OF THE CURRICULUM.

The following curriculum is the result of a recent and thorough revision of teaching in this school in order to meet modern requirements. The multiplication of specialties in medicine and surgery necessitates a very crowded course and the introduction of electives will very soon be depended on to solve some of the difficulties.

The curriculum is organized under ten departments

1. Anatomy (including Histology and Embryology).
2. Physiology.
3. Chemistry including Physiological Chemistry.
4. Materia Medica and Pharmacology.
5. Pathology and Bacteriology.
6. Medicine (including Medical Specialties).
7. Surgery (including Surgical Specialties).
8. Obstetrics.
9. Gynecology.
10. Ophthalmology and Otology.

The instruction is given in four years of graded work.

Several courses of study extend through two years or more, but in no case are the students of different years thrown together in the same course of teaching.

The first and second years are devoted largely to the study of the structures and functions of the normal body, and laboratory work occupies most of the student's time during these two years.

Some introductory instruction in Medicine and Surgery is given in the second year. The third and fourth years are almost entirely clinical.

A special feature of instruction in the school is the attempt to bring together teacher and student in close personal relationship. In many courses of instruction the classes are divided into small groups and a large number of teachers insures attention to the needs of each student.

In many courses the final examination as the sole test of proficiency has disappeared and the student's final grade is determined largely by partial examinations, recitations and assigned work carried on throughout the course.

ARRANGEMENT OF CLASSES.

All the teaching of the freshman class is done at Calvert and Saratoga Streets. All the teaching of the sophomore class is done at Lombard and Greene Streets.

The junior class has three hours of didactic teaching each morning. For clinical instruction and laboratory work this class is divided into two sections and the year into semesters. Each section will work for one semester at the University Hospital and one semester at Mercy Hospital.

The senior class is divided into three sections and for this class the year is divided into trimesters. Each section receives clinical instruction for one trimester in the University Hospital, the Mercy Hospital and the Maryland General Hospital. In the afternoon the whole class is assembled and has two hours of didactic teaching each day.

This distribution of the classes is made in order to utilize to the best advantage the laboratory space and to bring the students into daily contact with patients in all three of the large hospitals and dispensaries.

DEPARTMENT OF ANATOMY INCLUDING HISTOLOGY AND EMBRYOLOGY.

J. Holmes Smith, A.M., M.D.....Professor of Anatomy
Tilghman B. Marden, A.B., M.D.
Professor of Histology and Embryology and Assistant in Anatomy
J. W. Holland, M.D.....Associate Professor of Anatomy
J. L. Wright, M.D.....Associate in Anatomy and Histology
F. L. Jennings, M.D.....Assistant in Anatomy

First Year. Didactic. Three hours each week for thirty-two weeks. This consists of lectures, recitations and conferences.

This course embraces the integuments, myology, angiology, osteology, syndesmology and the peripheral nerves.

Laboratory. Ten hours each week for thirty-two weeks. Abundance of good material is furnished and the student is aided in his work by competent demonstrators. Examinations are held at regular intervals throughout the session, and each student will be held to strict account for material furnished him.

Osteology. Two hours each week for thirty-two weeks. Lectures, demonstrations, and recitations. Each student is furnished a skeleton and a deposit is required to insure its return at the end of the session.

Second Year. *Didactic.* Three hours each week for thirty-two weeks. Lectures, recitations and conferences.

Laboratory. Ten hours each week for sixteen weeks. This course includes topographical and applied anatomy of the body cavities and viscera and the cerebro-spinal and sympathetic nervous systems with special demonstrations of important subjects to the class in small sections.

The teaching of anatomy is illustrated by means of charts, diagrams, special dissections and the projection apparatus.

Histology.

First Year. Lectures, recitations and laboratory work, nine hours each week during first semester; three hours each week during second semester. The most important part of the work will be done in the laboratory, where each student will be provided with a microscope, apparatus, staining fluids and material necessary for the preparation of specimens for microscopical examination. An important aid to the course is the projection microscope which is used for the projection upon a screen of magnified images of the specimens actually used in the laboratory.

Embryology.

Lectures, recitations and laboratory work; six hours each week during the second semester.

This course includes the study of the development of the chick, and the fundamental principles of mammalian embryology. In the laboratory, the hen's egg will be studied in its various stages of development, and sections of the chick at different periods of incubation will be made and studied microscopically. The latter part of the course will be devoted to the study of sections through different regions of a mammal.

DEPARTMENT OF PHYSIOLOGY.

Bartgis McGlone, A.B., Ph.D.....Professor of Physiology
Charles C. Conser, M.D.....Associate Professor of Physiology
Firmadge K. Nichols, A.B., M.D.....Associate in Physiology
Henry T. Collenberg, A.B., M.D.....Associate in Physiology

The course in Physiology extends throughout the First and Second Years. It consists of a series of lectures, covering the field of human physiology, laboratory work, demonstrations, and frequent recitations. It is constantly in the mind of the department that this course is introductory to the study of medicine. The recitations cover the subject-matter of the lectures and the experiments performed in the laboratory.

First Year. 1. This course includes lectures and recitations upon the physiology of the blood and circulation, respiration, muscle and nerve, a portion of the central nervous system, and

special senses, and such chemical and physical facts as are necessary for a proper understanding of the physiology taught. Two lectures and a recitation weekly throughout the year. Dr. McGlone.

SECOND YEAR. 2. *Didactic instruction.* During this year the remaining topics of physiology are covered by lectures and demonstrations. As in the first year frequent recitations will be held. The subject-matter includes the physiology of digestion and secretion, nutrition, metabolism, internal secretion, and the cranial central nervous system. Lectures, demonstrations, and recitations, three hours per week. Dr. McGlone, assisted by Dr. Conser.

3. *Experimental Physiology.* This is a laboratory course in the dynamics of muscle and nerve, studies in circulation and respiration, and physiology of the special senses. Apart from the acquisition of the facts of physiology, the student is taught to observe accurately, record carefully the results of his observations, and from these results draw an independent conclusion. He is also trained in the use of instruments which are of value to him in his clinical years. Three hours weekly throughout the year. Drs. McGlone, Conser, Nichols and Collenberg.

4. *Special Mammalian Physiology.* This is a Laboratory course intended for advanced Laboratory students (optional) who may wish to do special work in this line of physiology. Hours to be arranged. Dr. McGlone.

5. *Research in Physiology.* Properly qualified students will be admitted to the laboratory, which is well adapted for post-graduate study and special research. Hours will be arranged to suit individuals. Dr. McGlone.

DEPARTMENT OF CHEMISTRY.

CHARLES E. SIMON, A.B., M.D.....Professor of Physiological Chemistry
E. F. KELLY, Phar.D.....Associate Professor of Chemistry
H. BOYD WYLIE, M.D.....Associate Professor of Physiological Chemistry

Organic Chemistry and Physiological Chemistry. While the present requirements for entrance to the medical department of the university presuppose that the student has had a year's course in organic chemistry, it has been thought best to briefly review this important subject in an intensive manner during the first semester of the first year's work, in order that he may be the better prepared for his course in physiological chemistry, which is taken up during the second year.

The latter is essentially a laboratory course, extending throughout the year, in which the student studies practically the chemical properties of the various groups of food stuffs, their products of digestion and katabolism, as well as the various organic compounds which enter into the composition of the different tissues and organs of the body.

The practical work is supplemented by a course of lectures in which the student is introduced not only to the chemical aspects of physiological processes, but also to those deviations from the normal which are met with in disease.

DEPARTMENT OF MATERIA MEDICA AND PHARMACOLOGY.

Samuel J. Fort, M.D.....Professor of Materia Medica and Pharmacology
Bartgis McGlone.....Associate Professor of Pharmacology
H. L. Sinskey, M.D.....Associate in Materia Medica

First Year. Two hours per week throughout the session, didactic lectures on Materia Medica. Dr. Fort.

A laboratory course in Pharmacy and prescription writing, two hours per week. Dr. Sinsky.

Second Year. Two hours per week throughout the session on Pharmacology. Dr. Fort.

A laboratory course of two hours per week throughout the session, on the physiological and toxicological action of the more important drugs. Dr. McGlone.

DEPARTMENT OF PATHOLOGY AND BACTERIOLOGY.

Wm. Royal Stokes, M.D.....Professor of Pathology and Bacteriology
Standish McCleary, M.D.....Professor of Pathology
H. R. Spencer, M.D..Associate Professor of Pathology and Bacteriology
H. J. Maldeis, M.D.....Associate Professor of Pathology
Frank W. Hachtel, M.D.....Associate in Pathology and Bacteriology

Instruction in pathology and in special bacteriology is given in the laboratories to the students of the second year. The course in pathology includes the demonstrations of the gross and microscopic lesions of the various viscera, and the subject of general pathology, including inflammation, degeneration and infiltration and tumors.

In special bacteriology the various methods of sterilization and preparation of culture material, the study of the pathogenic microorganisms of vegetable origin, and the bacteriological study of

milk, water, sewage and other such materials, are given. The bacteriological diagnosis of the infectious diseases is also included in this course. Animal inoculations and autopsies are performed in connection with the bacteria studied, and the diagnoses by means of serum reactions are also given.

In the third year the subject of pathology is continued, special use being made of museum specimens, and the special relationship of gross and microscopic lesions to clinical symptoms and signs of disease is especially emphasized. Autopsy technique is also taught to small groups of students by special instruction at the autopsies performed at the various hospitals, and the specimens obtained at such autopsies are demonstrated to the entire class. The animal parasites are also taught in this year.

In the fourth year the specimens from autopsies are studied with reference to clinical histories and gross and microscopic anatomy. Special emphasis is laid upon the correlation of the anatomical findings with the clinical symptoms and diagnosis. These clinical pathological conferences are also illustrated with sections of fixed material or lantern slides.

Courses in surgical and gynecological pathology are also given to the fourth year students, but these courses are under the direction of the Departments of Surgery and Gynecology.

MEDICAL JURISPRUDENCE.

SECOND YEAR. One hour each week for entire session.

Medical Jurisprudence. This course embraces consideration of medical evidence and testimony, confidential communications, malpractice, indications of death, pregnancy, delivery, infanticide and insanity.

CLINICAL INSTRUCTION.

DEPARTMENT OF SURGERY.

RANDOLPH WINSLOW, A.M. M.D., LL.D.....Professor of Surgery
ARTHUR M. SHIPLEY, M D.....Professor of Surgery
RIDGELY B. WARFIELD, M.D.....Professor of Surgery
ARCHIBALD C. HARRISON, M.D.....Professor of Surgery
ALEXIUS MCGLANNAN, A.M., M.D.
Professor of Clinical Surgery and Surgical Pathology
FRANK MARTIN, B.S., M.D.....Professor of Clinical and Operative Surgery
J. D. BLAKE, M.D.....Professor of Clinical Surgery

JOSEPH H. BRANHAM, M.D. ..... Professor of Clinical Surgery
ALBERT T. CHAMBERS, M.D. ..... Professor of Clinical Surgery
NATHAN WINSLOW, A.M., M.D. ..... Clinical Professor of Surgery
ALFRED ULLMAN, M.D. ..... Clinical Professor of Surgery
WALTER D. WISE, M.D. ..... Clinical Professor of Surgery
JOSEPH W. HOLLAND, M.D. ..... Clinical Professor of Surgery
WILLIAM W. REQUARDT, M.D. ..... Associate Professor of Surgery
J. C. LUMPKIN, M.D. ..... Associate Professor of Clinical Surgery
H. C. BLAKE, M.D. ..... Associate Professor of Clinical Surgery
ROBERT P. BAY, M.D. ..... Associate Professor of Clinical Surgery
FRANK S. LYNN, M.D. ..... Associate Professor of Surgery
ELLIOTT H. HUTCHINS, A.M., M.D. ..... Associate Professor of Surgery
THOMAS R. CHAMBERS, A.B., M.D. ..... Associate Professor of Surgery
HARVEY B. STONE, A.B., M.D. ..... Associate Professor of Surgery
R. W. LOCHER, M.D. ..... Associate Professor of Operative and Clinical Surgery
ARTHUR G. BARRETT, M.D. ..... Associate in Surgery
B. M. BERNHEIM, A.B., M.D. ..... Lecturer on Blood Vessel Surgery
F. L. JENNINGS, M.D. ..... Instructor in Surgery
A. M. EVANS, M. D. ..... Instructor in Surgery
E. P. SMITH, M.D. ..... Instructor in Operative Surgery

The course in surgery is progressive, and aims to ground the student firmly in the principles of surgical science in order that later he may be prepared to build upon a firm foundation the superstructure of surgical art.

SECOND YEAR. During this year a practical course of bandaging is given upon the manikin; the student being required to apply personally the various forms of bandages to the different parts of the body.

THIRD YEAR. Surgical Pathology and Principles of Surgery. Lectures, recitations and clinics, three hours weekly. Drs. Shipley and Warfield.

The class is divided in sections and receives instruction in history taking, gross surgical pathology and surgical diagnosis at the bedside and in the dead house in the City Hospitals at Bay View. Drs. Shipley and Lynn.

Operative Surgery. Instruction is given in operative surgery upon the cadaver and on dogs. The class is divided into sections and each section is given practical and individual work under the supervision of the instructors.

This course begins with the study of the general principles of operative surgery; anaesthesia, asepsis, antisepsis, description of instruments and sutures, etc.

The various operations are first described and demonstrated by the instructor, and the student afterward practices them upon the subject.

The entire subject of operative surgery is fully covered. Dr. Martin and assistants.

The class will be divided into small sections for Dispensary service in the University and Mercy Hospitals.

FOURTH YEAR. *Fractures and Dislocations.* Illustrated by charts, drawings, specimens, X-ray demonstrations, lantern slides, and the balopticon, two hours a week for the first semester. Dr. Winslow.

Surgery of the Blood Vascular System, Hernia, Surgery of the Scrotum and its contents, one hour a week for the first semester. Dr. Warfield. At the end of this semester, an examination will be given.

Surgery of the Thorax and Thoracic Wall, the Abdominal Cavity, and of the Head, Neck, and Spinal Cord, two hours a week for the second semester. Dr. Harrison.

Surgical Clinics. Surgical clinics will be given at the University, Mercy, and Maryland General Hospitals, weekly, to one third of the class in each hospital. Drs. Winslow, Warfield, Harrison, and McGlannan.

The class is divided into sections for ward instruction in surgery, for instruction in operative surgery and surgical diagnosis, and the post-operative treatment of surgical conditions, six days a week for two hours each day in each of the three hospitals. Drs. Winslow, Shipley, Warfield, Harrison, Martin and McGlannan.

ANAESTHESIA.

S. GRIFFITH DAVIS, M.D.....Associate Professor of Anaesthesia
FRANK S. LYNN, M.D.....Associate Professor of Anaesthesia
SAMUEL W. MOORE, D.D.S.....Associate in Anaesthesia
A. M. EVANS, M.D.....Instructor in Anaesthesia

The administration of anaesthetics is taught didactically and practically and students are required to administer anaesthetics under the direction of an instructor.

DERMATOLOGY.

T. CASPAR GILCHRIST, M.R.C.S.,L.S.A.,M.D.....Professor of Dermatology
MELVIN ROSENTHAL, M.D.....Associate Professor of Dermatology
JOHN R. ABERCROMBIE, A.B., M.D .....Associate Professor of Dermatology
HARRY M. ROBINSON, M.D.....Demonstrator of Dermatology

Clinical conference one hour each week to entire class. This course will consist of demonstrations of the common diseases of the skin. Dr. Gilchrist.

Dispensary instruction, University Hospital, Mondays, Wednesdays and Fridays in the diagnosis and treatment of the common skin diseases, Dr. Abercrombie. Dispensary instruction, Mercy Hospital, Dr. Rosenthal.

ORTHOPEDIC SURGERY.

R. Tunstall Taylor, A.B., M.D.....Professor of Orthopedic Surgery
Albertus Cotton, A.M., M.D.....Professor of Orthopedic Surgery
Compton Riely, M.D.....Clinical Professor of Orthopedic Surgery
Sydney M. Cone, A.B., M.D.....Clinical Professor of Orthopedic Surgery
Henry J. Walton, M.D..... Associate Professor of Roentgenology
W. H. Daniels, M.D.....Demonstrator in Orthopedic Surgery
John Evans, M.D..... Demonstrator in Roentgenology
C. Reid Edwards, M.D.....Assistant in Orthopedic Surgery

In this course didactic, clinical, bed-side and out-patient instruction will be given. This instruction is provided in the University Hospital Amphitheater and Dispensary, Maryland General and Mercy Hospitals and Dispensaries, Kernan Hospital and Industrial School for Crippled Children at "Radnor Park," and in the Dispensary of same at 2000 North Charles Street.

The senior class will be divided into three parts, each section spending one trimester in the University, Mercy and Maryland General Hospitals in rotation; and by the avoidance of duplication, the subject will be adequately covered. Lectures, clinics and quizzes will be held at each of the three hospitals once a week. In addition, a weekly bed-side clinic will be held on Saturdays for small sections of the class at "Radnor Park."

The course will cover instruction in special methods and instruments required in this surgical specialty, including X-Ray technique; Wolff's law; tuberculosis of bones and joints; deformities of the feet; non-tuberculous deformities of the feet and joints; the paralyses; the bursal, tendinous and muscular conditions producing orthopedic affections; rickets; scurvy; osteomalacia; chondrodystrophies; wry-neck and the use and application of orthopedic apparatus.

DISEASES OF THE THROAT AND NOSE.

Samuel K. Merrick, M.D.....Professor of Diseases of the Throat and Nose
John R. Winslow, A.B.,M.D..Professor of Diseases of the Throat and Nose
Frank Dyer Sanger, M.D.....Professor of Diseases of the Throat and Nose

GEORGE W. MITCHELL, M.D.
Associate Professor of Diseases of the Throat and Nose
H. C. DAVIS, M.D...Associate Professor of Diseases of the Throat and Nose
GEORGE MURGATROYD, M.D....Associate in Diseases of the Throat and Nose
WILLIAM CASPARI, M.D.....Associate in Diseases of the Throat and Nose

THIRD YEAR. Clinical Lectures. One hour each week throughout the session. Drs. Merrick, John R. Winslow, and Sanger.

FOURTH YEAR. Dispensary instruction daily in small sections at the University, Maryland General, and Mercy Hospitals. Ward classes one hour each week at the University, Maryland General, and Mercy Hospitals.

GENITO-URINARY DISEASES.

GIDEON TIMBERLAKE, M.D....Clinical Professor of Genito-Urinary Diseases
PAGE EDMUNDS, M.D.....Clinical Professor of Genito-Urinary Diseases
A. J. UNDERHILL, A.B., M.D... Clinical Professor of Genito-Urinary Diseases
ANTON G. RYTINA, A.B., M.D.
Clinical Professor of Genito-Urinary Diseases
W. B. WOLF, M.D.....Associate Professor of Genito-Urinary Diseases

The course, which is entirely clinical, is taught chiefly by personal instruction in the dispensaries of the University, Mercy and Maryland General Hospitals, one trimester being spent at each hospital. The student assumes the responsibility of certain cases under the supervision of instructors.

The course includes the diagnosis, pathology and treatment of venereal diseases and syphilis together with a careful study of the less common genito-urinary diseases. The course includes instruction in urinalysis, in endoscopic and cystoscopic examinations and the use of other instruments for the diagnosis and treatment of genito-urinary diseases. Many minor operations are performed in the out-patient department by students under the supervision of the chiefs of clinic.

DISEASES OF THE COLON AND RECTUM.

G. MILTON LINTHICUM, A.M., M.D.
Professor of Diseases of Rectum and Colon
CHARLES F. BLAKE, M.D.....Professor of Diseases of Rectum and Colon
J. DAWSON REEDER, M.D.
Associate Professor of Diseases of Rectum and Colon
ERNEST G. MARR, M.D.....Instructor in Diseases of Rectum and Colon

FOURTH YEAR. This course is for instruction in diseases of the Colon, Sigmoid Flexure, Rectum and Anus.

One lecture a week throughout the year will be given in the Clinical Amphitheater of the Hospitals. The lecture will cover the essential features of the Anatomy and Physiology of the large intestine; as well as the various diseases to which it is subject. The importance of diseased conditions and malpositions of the intestines, n relation to systemic disturbances, will be emphasized by demonstrations.

In small groups, the students will be taken into the wards and dispensaries of the University, Mercy, and Maryland General Hospitals, where different phases of the various diseases will be taught by direct observation and examination. The use of the proctoscope and sigmoidoscope in examination of the rectum and sigmoid will be made familiar to each student.

A course in Proctoscopy will be given in the City Hospitals at Bay View, where abundance of material is always obtainable.

DEPARTMENT OF MEDICINE.

Gordon Wilson, M.D.
Cary B. Gamble, Jr., A.M., M.D.
Julius Friedenwald, A.M., M.D.
John S. Fulton, A.B., M.D.
Chas. G. Hill, A.M., M.D.
Joseph E. Gichner, M.D.
Irving J. Spear, M.D.
Edward N. Brush, M.D.
John Ruhräh, M.D.
Andrew C. Gillis, A.M., M.D.
Edgar B. Friedenwald, M.D.
J. E. Poulton, M.D.
H. D. McCarty, M.D.
John E. O'Neill, M.D.
G. F. Sargent, M.D.
G. S. M. Kieffer, M.D.
J. F. Hawkins, M.D.
D. D. V. Stuart, Jr., M.D.
E. E. Mayer, M.D.
M. H. Todd, A.B., M.D.
John S. Fenby, M.D.
E. Le Compte Cook, M.D.
Frank J. Powers, M.D.
J. W. V. Clift, M.D.
D. C. Streett, AB., M.D.
S. D. Shannon, M.D.
George McLean, M.D.
John C. Hemmeter, M.D., Ph.D., Sc.D., LL.D.
William F. Lockwood, M.D.
Standish McCleary, M.D.
Chas. O'Donovan, A.M., M.D., LL.D.
J. M. Craighill, M.D.
Chas. W. McElfresh, M.D.
C. Hampson Jones, M.B., C.M., M.D
G. Carroll Lockard, M.D.
Harvey G. Beck, M.D., D.Sc.
E. B. Freeman, B.S., M.D.
J. Clement Clark, M.D.
Hubert C. Knapp, M.D.
G. M. Settle, A.B., M.D.
T. Fred Leitz, M.D.
Wm. H. Smith, M.D.
J. Percy Wade, M.D.
R. C. Metzel, M.D.
Wilbur P. Stubbs, M.D.
J. Harry Ullrich, M.D.
Benjamin Pushkin, M.D.
J. E. Brumback, M.D.
J. G. Stiefel, M.D.
Theodore Morrison, M.D.
M. Feldman, M.D.
C. C. Hableston, M.D.

PHYSICAL DIAGNOSIS.

SECOND YEAR. Didactic lectures and practical demonstrations in medical topography and the physical conditions in health, preparatory to the course in physical diagnosis in the third year. Two and one-half hours each week during the second semester.

THIRD YEAR. The class is divided into small groups, and each section receives instruction for the entire session in the medical dispensaries of the hospitals. During the second semester, the students under the supervision of instructors examine and treat patients in the medical dispensaries. During one semester small groups are sent for the afternoon to the city hospitals at Bay View for special instruction in history taking and physical diagnosis. Two hours a week throughout the year are devoted to physical diagnosis. Full class conferences one hour a week throughout the session.

CLINICAL MEDICINE.

THIRD YEAR. Lectures and recitations on the principles of medicine, for three hours a week throughout the session. Clinical conference, one hour each week throughout the session.

FOURTH YEAR. Lectures, recitations and clinics to the entire class two hours a week throughout the session.

A clinical pathological conference is held once a week throughout the session, at which the material obtained through operations or at autopsy is studied in relation to the clinical findings.

The whole class, divided between the three hospitals and again subdivided into small groups, receives bedside instruction twelve hours a week throughout the session and has the care of the hospital patients under the direct supervision of the hospital staff, making all examinations and keeping the clinical histories of the patients.

Dispensary instruction is given nine hours a week in the specialties of medicine.

PEDIATRICS.

THIRD YEAR. Lecture recitation one hour a week throughout the session.

FOURTH YEAR. Clinic recitation one hour a week throughout the year and in addition ward class instruction to small groups one hour a week during one trimester.

Dispensary instruction in pediatrics is given to small groups throughout the year.

THERAPEUTICS.

Physical Therapeutics. This course consists of weekly lectures and demonstrations on hydrotherapy, thermotherapy, massage, rest and exercise, the Weir Mitchell Treatment, radiotherapy and electrotherapeutics. The basic physiologic principles and actions of the above mentioned agencies are given full consideration and study, and the practical application is observed in the hospital and clinic and in visits to various institutions having well equipped departments for treatment by physical means.

THIRD YEAR. This course is supplementary to that on clinical medicine and an effort is made to familiarize the student with the practical treatment of disease. (One hour a week.)

FOURTH YEAR. This subject is covered in conjunction with the teaching of clinical medicine.

GASTRO-ENTEROLOGY.

FOURTH YEAR. Clinic recitation to each third of the class for one hour a week throughout the session. Dispensary instruction to small groups during part of the session. Practical instruction in the wards in the differential diagnosis of diseased conditions of the alimentary tract.

TUBERCULOSIS.

A practical course is given in the tuberculosis dispensary and at the Municipal Tuberculosis Hospital to small groups, the abundance of the material, both of "incipient" and "advanced cases" making this course of value in the practical recognition of the physical signs of the disease.

NEUROLOGY.

THIRD YEAR. Lectures and recitations one hour each week to entire class throughout the year. This course comprises the study of the anatomy and physiology of the nervous system, the method

of neurological examination, and relationship of signs and symptoms to pathological conditions. The material at the University, Maryland General, and Mercy Hospitals is available.

Fourth Year. Clinical lectures and recitations; one hour each week throughout the entire session.

Clinical Conference, one hour each week to the entire class. This subject is taught at the University, Maryland General, and Mercy Hospitals. All cases presented at these clinics are carefully examined; complete written records are made by the students who demonstrate the cases before the class. These cases are usually assigned one or two weeks before they are presented, and each student in the class must prepare one or more cases during the year.

Ward Class Instruction. In small sections, two hours each week during entire year at the University, Maryland General, and Mercy Hospitals. In these classes the students come in close personal contact with the cases in the wards under the supervision of the instructor.

Dispensary Instruction. Small sections are instructed in the dispensaries of the University, Maryland General, and Mercy Hospitals four afternoons each week. In this way students are brought into contact with nervous diseases in their earlier as well as later manifestations.

Electro Therapeutics. Instruction in the uses of the various types of electrical apparatus is given by lectures and demonstrations in the clinics, the ward classes, and the out-patient department.

PSYCHIATRY.

Fourth Year. This subject is taught by means of didactic and clinical lectures. Abundant material is at the command of this department in the various institutions which are presided over by the teachers in psychiatry. The student is brought into contact with the early manifestations of mental disease in the dispensaries of the University, Maryland General, and Mercy Hospitals, and in a series of clinics opportunity is afforded to observe the course and later manifestations of the disease, often in these same patients, at the Sheppard Enoch Pratt Hospital, Springfield State Hospital, Spring Grove State Hospital, Mount Hope Retreat, Maryland Training School for the Feeble Minded, and City Detention Hospital.

STATE MEDICINE.

Fourth Year. Lectures and demonstrations one hour each week to the entire class throughout the session.

The course in state medicine begins with a study of structure and function of the social organism, as revealed by the numerical analysis of population, births, deaths, sickness and migration. Elementary instruction and practice are given in vital statistics; in medical notification, registration and certification; and in the laws and ordinances concerning public health. The specific hygiene of the preventable diseases is next taken up, such choice being made as will familiarize the student with the epidemiology of the more important communicable diseases, and with the main instruments of prevention: notification, inspection, segregation, isolation, immunization and disinfection. The course is planned from the view point of official practice in public hygiene.

One lecture is given each week to the members of the Senior Class.

DEPARTMENT OF OBSTETRICS.

L. E. Neale, A.M., M.D., LL.D.....Professor of Obstetrics
Geo. W. Dobbin, M.D.....Professor of Obstetrics and Gynecology
J. M. H. Rowland, M.D.....Professor of Obstetrics
Bernard Purcell Muse, M.D.....Professor of Clinical Obstetrics
Charles E. Brack, M.D.....Clinical Professor of Obstetrics
J. K. B. E. Seegar, M.D.....Associate Professor of Obstetrics
H. S. Gorsuch, M.D.....Associate in Obstetrics
Maurice Lazenby, M.D.....Associate in Obstetrics
Emil Novak, M.D.....Associate in Obstetrics
J. McF. Bergland.....Associate in Obstetrics
H. N. Freeman, M.D.....Demonstrator of Obstetrics
M. E. Douglass, M.D.....Instructor in Obstetrics
Wm. B. Schapiro, M.D.....Assistant in Obstetrics

Third Year. Lectures and recitations two hours each week by Drs. Neale and Dobbin to entire class. Special obstetric and gynecologic pathology three hours each week by Drs. Brent and Lazenby to class sections in the Pathologic Laboratory. Clinical Obstetrics (bedside and manikin work) three hours each week at the University Hospital by Dr. Neale and his assistants, and at the Mercy Hospital by Drs. Brack, Lazenby and Novak.

Examinations, one at end of first semester and final one at end of the year. The results of these examinations, considered in conjunction with the student's practical work, will determine the grade for the year's work, which grades, if sufficient to give student advanced standing, will count as one-half of the final grade in Obstetrics.

Fourth Year. *Lectures and Clinical Conferences.* Two hours each week to the entire class. Drs. Neale, Dobbin and Rowland.

Ward Classes and Operative Obstetrics (Manikin work). Four hours each week to sections of the class.

Students are required to attend obstetric cases before, during and after confinement in the University Hospital, Maryland Lying-In Hospital and Maryland Lying-In Asylum, as well as in the out-patient department. Each student is required to conduct and make accurate records of at least twelve confinement cases. These out-patient cases are conducted under the supervision of post-graduate instructors, two in number, who devote their whole time to this work.

Mid-year and final examinations will be held, the results of which, considered in conjunction with clinical work and recitations, will make up the remaining half of the final grade.

This School is peculiarly fortunate in the clinical material available for this important branch of medical teaching; more than 2000 cases in the three hospitals and their out-patient departments make a practically inexhaustible clinic.

DEPARTMENT OF GYNECOLOGY.

William S. Gardner, M.D.....Professor of Gynecology
W. B. Perry, M.D.....Professor of Clinical Gynecology
J. Mason Hundley, M.D.....Professor of Clinical Gynecology
Hugh Brent, M.D.....Associate Professor of Gynecology
Abraham Samuels, M.D.....Associate Professor of Gynecology
E. H. Hayward, M.D.....Associate in Gynecology
Geo. A. Strauss, M.D.....Associate in Gynecology
R. G. Willse, M.D.....Associate in Gynecology
W. K. White, M.D.....Instructor in Gynecology
R. L. Mitchell, M.D.....Instructor in Gynecology
J. M. Fenton, M.D.....Assistant in Gynecology
Maurice Lazenby, A.B., M.D.....Assistant in Gynecology
L. H. Douglass, M.D.....Assistant in Gynecology

THIRD YEAR. *Didactic Work.* Lectures and recitations one hour each week throughout the session.

Laboratory. Special pathology, both gross and microscopical, studied in connection with the clinical history of each specimen, two hours each week for one semester.

FOURTH YEAR. *Didactic Work.* Lectures and recitations one hour each week throughout the session.

Clinical Work. Six hours weekly for one trimester. In this course a student writes the clinical history of each patient in the ward, makes a general physical examination including the blood and urine, before the patient is brought before the class. One student under supervision gives the anesthetic, a pelvic examination is made by six students, and any operation required is then done before a section of the class small enough to see clearly what is being done and how it is done. On a subsequent day the whole group examine microscopically sections prepared from material removed from patients that have been before them.

DEPARTMENT OF OPHTHALMOLOGY AND OTOLOGY.

HARRY FRIEDENWALD, A.B., M.D...Professor of Ophthalmology and Otology
HIRAM WOODS, A.M., M.D.....Professor of Ophthalmology and Otology
WM. TARUN, M.D.....Clinical Professor of Ophthalmology and Otology
J. W. DOWNEY, M.D.....Clinical Professor of Otology
CLYDE A. CLAPP, M.D.....Associate in Ophthalmology and Otology
H. K. FLECKENSTEIN, M.D.....Associate in Ophthalmology and Otology
JOSEPH I. KEMLER, M.D.....Associate in Ophthalmology and Otology
EDWARD A. LOOPER, M.D., D.Oph..Instructor in Ophthalmology and Otology
R. D. WEST, M.D.....Assistant in Ophthalmology and Otology

THIRD YEAR. *Practical Course in the Anatomy,* gross and microscopic, and in the *Physiology of the Eye;* this course consists of dissections, microscopic sections, demonstration on models, etc., once weekly throughout one half the year.—Dr. Clapp.

Course in Anatomy, Physiology and Diseases of the Ear, Dr. Downey.

FOURTH YEAR. *Didactic Course in Diseases of the Eye* once weekly October to February, Dr. Woods; February to close of session, Dr. Harry Friedenwald.

Course in Diseases of the Ear, Dr. Downey, once weekly for half the year.

Clinics in diseases of the eye to sections of the class once weekly, by Drs. Harry Friedenwald, Woods and Clapp.

Dispensary Instruction to small sections.

The courses in Ophthalmology and Otology are designed to familiarize the students with the common diseases of the eye and ear, their recognition and treatment, with a view to meet the needs of the general practitioner. Special emphasis is laid upon the relation between diseases of the eye and the ear and systemic diseases of other organs.

LABORATORIES OF CLINICAL PATHOLOGY.

Charles E. Simon, A.B., M.D.....Professor of Clinical Pathology
H. J. Maldeis, M.D.....Associate Professor of Clinical Pathology
G. Howard White, A.B., M.D....Associate Professor of Clinical Pathology
Charles C. W. Judd, A.B., M.D.....Associate in Clinical Pathology
H. M. Todd, M.D.....Associate in Clinical Pathology

During the *third year* the student is thoroughly drilled in the technique of the usual clinical laboratory work, so that he shall be able to perform all routine examinations which may be called for during his fourth year, in connection with the work in the wards and dispensary. In addition he is trained to do such advanced bacteriological and serological work as will fit him to occupy an assistant's position in a civil or military laboratory where modern public health and epidemiological work is carried on.

The practical work is supplemented by a series of didactic lectures, and demonstrations in which the entire teaching staff of the department takes an active part. The microscopical, chemical, bacteriological and serological study of the blood, of exudates and transudates, of gastric juice and feces and of urine are successively taken up, and special attention directed to the clinical significance of the findings.

Clinical parasitology and advanced bacteriology, both from the standpoint of the infecting agent and the carrier, are given careful consideration, and the military aspects of these phases of the subject duly emphasized.

The entire course is thoroughly practical. Each student is provided with a microscope, blood counters and hemoglobinometer for his exclusive use, and every two students with a special laboratory outfit for all routine purposes.

During the *fourth year* the student applies in the student laboratories of the various affiliated hospitals what he has learned during the preceding year. He is here also supplied with a laboratory outfit which is sufficiently complete to enable him to work independently of the general equipment. Special instructors are available during certain hours to give necessary assistance and advice.

THE UNIVERSITY HOSPITAL TRAINING SCHOOL FOR NURSES.

Miss Helen V. Wise, R.N., *Superintendent of Training School.*

The University of Maryland School for Nurses, established in the year 1889, for the purpose of instructing women in the art of caring for the sick, is now entering its twenty-eighth year.

The Nurses' Home, while not a new building, has been recently renovated and is comfortable and cheerful.

The Maryland University Hospital is a large general hospital containing about 285 beds. Unusual advantages are offered the pupil nurses because of the varied services and well thought out curriculum taught by paid Instructors and members of the Medical Staff of the University.

Candidates wishing to obtain the course of instruction must apply personally or by letter to the Superintendent of Nurses. Those applying by letter should enclose a statement from a clergyman testifying to good moral character and one from a physician certifying to sound health and unimpaired faculties. No candidate will be considered who is not physically fit. Applicants must not be under 21 or over 30 years of age. They must show that they have graduated from a High School or have had the equivalent of such a degree of education. The Superintendent of Nurses decides as to the fitness of the candidate for the work and the propriety of dismissing or retaining her at the end of her probation term. The Superintendent may also, with the approval of the Committee, dismiss a pupil from the school at any time for misconduct or inefficiency.

Students for the spring term are admitted in February and March, for the autumn term in August and September.

The Course of Instruction covers three years.

Examinations are held after each course of study and lectures, and the standing of the student at the end of the year is based upon the results of these examinations and the general character of the work throughout the year.

The diploma of the school will be awarded to those who have satisfactorily completed the full term of three years and have passed successfully the final examinations.

To the University Hospital belongs the honor of bestowing upon its graduates a cap that possesses a real history—the Florence Nightingale cap, installed by Miss Parsons, a graduate of St. Thomas Hospital, London, and the first superintendent of the University Hospital Training School for Nurses.

Vacations are given between the first of May and the last of September, and at no other time. A period of three weeks is allowed each year.

Sickness. Pupils when ill will be cared for gratuitously. All time lost for sickness or any other cause must be made up. Should the authorities of the school decide that through the time lost the theoretical work has not been sufficiently covered to permit the student to continue in that year, it will be necessary for her to continue her work with the next class.

Allowances. Every student is allowed $5.00 each month, after the first two months, to defray the expenses incidental to her training, text books, uniforms, etc. Students receive lodging, board and a reasonable amount of laundry work from date of entrance.

A deposit of $5.00 for possible breakage and $5.00 for the payment of textbooks necessary during the probation term is required. If there are no charges against the student the fund is returned to her when she leaves the school.

Pupil nurses are required to be on duty not less than eight hours daily. From one to two hours additional must be devoted to class work and study.

GRADUATES, 1918.

MAUDE ALICE KINNEY	*Maryland*
JUDITH SOPHIA VIBERG	*Pennsylvania*
CECILIA MOORE	*Maryland*
JULIA GRAHAM BIRD	*Georgia*
MINNIE CHRISTINE OLDHOUSER	*Maryland*
IVA MAY DOLLY	*West Virginia*
ESTHER LAMM CARR	*Maryland*
EMMA KATE HOOK	*Maryland*
NAOMI CELECTE KIRKLEY	*Maryland*
JESSIE SINGLETON	*North Carolina*
JEANETTE FLOWERS	*North Carolina*
GRACE BLANCHE LEISTER	*Maryland*
CAROLINE ELIZABETH BARWICK	*Maryland*
MARGARET RUTH LAUPER	*Connecticut*
MARTHA GLADYS MCMILLAN	*North Carolina*
MARION GERTRUDE TURNER	*Maryland*
ELLEN PRICE MCCARTY	*Maryland*
BEULAH GERTRUDE BAY	*Maryland*
GAY MISTER LINSTRUM	*Maryland*
ALTHA ELIZABETH ENSOR	*Maryland*
FLORENCE MARGARET RIDGELY	*Maryland*
HELEN LEE RIDGELY	*Maryland*
NELLIE AULT FLAHARTY	*Maryland*
MARY LEE WARD	*North Carolina*
TEMPERANCE ANN SCOUT	*Delaware*
LENA EDNA MCDANIEL	*West Virginia*
MARTHA HARMON BENSON	*Maryland*
RUTH HELENA YINGLING	*Pennsylvania*

THE MERCY HOSPITAL TRAINING SCHOOL FOR NURSES.

The Mercy Hospital Training School for Nurses, conducted by the Sisters of Mercy and connected with the College of Physicians and Surgeons, was organized and incorporated under the general laws of the State of Maryland in 1899. Its first students were graduated in 1901; and on the passage of the bill for registration in 1904, the Sisters of Mercy, connected with the Hospital service, received certificates as registered nurses.

The Training School was affiliated with the Board of Regents of the State of New York in 1906; and, in the same year, the Alumnae Association was incorporated, having been previously connected with the Associated Alumnae of the United States. The graduates, as active members, have been much interested in the movements of the Maryland Association of Graduate Nurses, to whom they have given every encouragement to uplift the profession in its many works of district nursing, tuberculosis campaign, Red Cross movements, etc.

The requirements for entrance are: highest moral standing, health, intelligence, and a High School education or its equivalent. The age limit is twenty to thirty-five years.

After a three months' probation, candidates, if they possess the necessary qualifications, are admitted to the Training School proper, receiving five dollars a month wherewith to secure uniforms, text books, etc., the education they receive being considered their compensation. The right is reserved to dismiss pupils for any cause which may be deemed sufficient by the Sister Superior or Superintendent.

The course of training comprises three years of theory and practice. The clinical advantages are exceptional. The medical, surgical, orthopedic, gynecological, obstetrical, children's and dietetic departments give valuable practical experience. The nurses are taught the theory of nursing by class recitations and demonstrations by efficient Sister instructors. Supplementing this training is a course of lectures from the ablest professors of the University of Maryland School of Medicine and College of Physicians and Surgeons, who are untiring in their efforts to keep the School abreast with modern scientific developments.

GRADUATES, 1918.

KATHERINE MARIE ADAMS	*Pennsylvania*
IVY REGINA ARNOLD	*Maryland*
MARY ELLEN CONCANNON	*Maryland*
MARIE ADELE CONROY	*Pennsylvania*
MARIE AGNES DOUGHERTY	*Pennsylvania*
AGNES PLACIDA DOORY	*Maryland*
LUCY ARLENE DUTRA	*Pennsylvania*
MARY MARGARET FITCH	*Pennsylvania*
LULU AGNES FLAIG	*Maryland*
GRACE BRIGHT GRIFFITH	*Pennsylvania*
ELIZABETH JANE HARDING	*Pennsylvania*
SOPHIE VERA HERBERT	*Maryland*
GERALDINE CLINE HOBBS	*Maryland*
MARIE ELIZABETH KINNEY	*Pennsylvania*
MARIE ESTHER KRAMER	*Maryland*
MINNIE MAE LANKFORD	*Virginia*
CLARA JOSEPHINE MCCANN	*Pennsylvania*
MARGARET AGNES NOWICKI	*Maryland*
CATHERINE MARIE O'CONNELL	*Maryland*
GERTRUDE LOUISE SCHREIBER	*Pennsylvania*
MARGARET ELIZABETH SHARPE	*Maryland*
THEDA ORLENE SMEICH	*Pennsylvania*
STELLA MARTINI SMITH	*Maryland*
EMILY ROBERTA VAN WERT	*Maryland*
VIOLETTA RUTH WAGMAN	*Pennsylvania*
BERTHA ROSALIE WAGMAN	*Pennsylvania*
FLORENCE RAY WILSON	*Pennsylvania*
ETHEL AUGUSTA WISE	*Maryland*
ROSE ALMA WHITE	*Pennsylvania*

MARYLAND GENERAL HOSPITAL TRAINING SCHOOL FOR NURSES.

MISS GRACE EDNA HARPER, R.N., *Superintendent of Training School.*

The Maryland General Hospital Training School for Nurses has been in successful operation since 1891.

In 1909 the Training School was registered with the Board of Regents of the State of New York.

Its purpose is to give to young women desiring to understand the science and acquire the art of nursing the sick and injured, the opportunity, through instruction and training, to qualify themselves for efficient and skillful work in their humane and useful mission.

A candidate for admission must be between 19 and 35 years of age.

She must have a High School education or pass an examination in the subjects embraced in, or equivalent to, the four years' curriculum of the High Schools of the State of Maryland, and is required to fill in a "student nurse's application" furnished by the State Board of Examiners, which is passed upon by Mr. Charles R. Ranft, Examiner of Preliminary Education.

She must present a certificate from her family physician testifying as to good health and proper physical condition, and certificates from two other responsible persons.

The first six months will constitute a period of probation, in which the candidate must show her fitness before she will be finally accepted as a pupil. The school reserves the right of suspension or dismissal at any time, for inefficiency, misconduct, or infraction of the rules of discipline.

A vacation of two weeks each year is granted.

Pupils are cared for without expense in case of illness, provided they remain in the hospital and are attended by members of the Medical Staff.

The full course of instruction will extend over a period of three calendar years. During the probationary period practical demonstrations are given in the class room, four hours each week. Nurses in training receive instruction in the nursing of medical, surgical, orthopedic, gynecological patients, in operating room work, and also in obstetrics and the nursing of children; in addition to which, courses of lectures are given by the visiting physicians and surgeons of the Maryland General Hospital.

All examinations must be successfully passed before the pupil will be advanced to the work of the following year.

GRADUATES, 1918.

IVA ESTELLE CURTIS	*Maryland*
ALICE EMMA GLADFELTER	*Maryland*
EMMA BELL ST. CLAIR	*Maryland*
MAY BROOKS CLARKE	*Virginia*
BLANCHE VIVIAN CRIMSTEAD	*West Virginia*
MARY GRACE STREETT	*Maryland*
GOLDIE MAY MILES	*Virginia*
LOIS HELEN HORSTMAN	*Maryland*
LOUISE FRANKLIN HARVEY	*Virginia*
MAY ISOBEL MAUL	*Maryland*
FRANCES LOUISE KLINGSTINE	*Maryland*

ENDOWMENT FUND.

The following, all Alumni of the University, constitute the Board of Trustees of this Fund:

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This Board is incorporated by act of the Legislature of the State, its legal title being "The Trustees of the Endowment Fund of the University of Maryland," and is independent and self-perpetuating, filling itself any vacancies. Its powers are limited *to the expenditure of the interest derived from the fund*, which is to be applied in the discretion of the Board for the benefit of the University. Contributions, donations and bequests are solicited from Alumni and friends. They may be made to the general or University Fund, to the Medical Fund or to any other department of the University. If intended for the School of Medicine, they may be given to the general medical fund or to some special object, as building, research, library, pathology, hospital, publication, laboratories, gymnasium, scholarship, medal, prize, etc., in which case the wishes of the donor will be strictly regarded. Attention is invited to the "Charles Frick Research Fund," already established in memory of that distinguished investigator. Checks should be made payable to B. Merrill Hopkinson, M.D., Treasurer, Professional Building, Baltimore, Md.

FORMS OF DEVISE OR BEQUEST.

To School of Medicine.

I give, devise and bequeath to the Regents of the University of Maryland a corporation incorporated under the laws of the State of Maryland, for the benefit of the Faculty of Physic.....

(Here state amount or describe property.)

To Endowment Fund.

I give, devise and bequeath to the Trustees of the Endowment Fund of the University of Maryland, a corporation incorporated under the laws of the State of Maryland, for the benefit of the Faculty of Physic .....

(Here state amount or describe property.)

ALUMNI ASSOCIATIONS.

UNIVERSITY OF MARYLAND MEDICAL DEPARTMENT.

All alumni in good standing are eligible to membership.

The membership fee is $1.00 per annum, payable in March.

The annual meetings are held on or about Commencement Day, and an orator will be selected to deliver an address upon these occasions.

The Banquet, which follows the delivery of the oration, is a reunion of old classmates, to which members who have paid their dues in full and candidates who have paid their initiation fee are admitted without extra charge.

The following are the officers for the current year:

President.

Dr. J. M. H. Rowland.

Vice-Presidents.

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Dr. Arthur M. Shipley.
Dr. Alexius McGlannan.

Secretary and Treasurer.

Dr. Edward A. Looper.

Recording Secretary.

Dr. Geo. M. Settle.

Corresponding Secretary.

J. S. Fort.

Necrologist.

Dr. Jos. T. Smith.

Executive Committee.

Dr. Albert H. Carroll, *Chairman.*

Dr. B. Merrill Hopkinson
Dr. C. W. Vogel
Dr. Jos. Holland
Dr. H. M. Jones

COLLEGE OF PHYSICIANS AND SURGEONS.

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1st Vice-President.

Humphry D. Wolfe, M.D.

2nd Vice-President.

W. C. Stifler, M.D.

Secretary.

H. C. Knapp, M.D.

Treasurer.

C. E. Brack, M.D.

Executive Committee.

Alexius McGlannan, M.D.

H. K. Fleckenstein, M.D. A. C. Gillis, M.D.

THE GENERAL ALUMNI ASSOCIATION OF THE UNIVERSITY OF MARYLAND.

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Dr. Albert H. Carroll, The Walbert Apartments.

Vice-President.

Edward P. Crummer.

Treasurer.

George Maurice Lee.

Corresponding Secretary.

William K. Stichel, Baltimore and Light Streets.

Recording Secretary.

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Advisory Council.

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Dr. Charles O'Donovan
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Dr. Eldridge Baskin
Dr. C. C. Harris
Dr. Samuel C. Pennington
Dr. L. Wilson Davis
Dr. Francis J. Valentine

Pharmaceutical.

Dr. John S. Thomas
Dr. Eugene W. Hodson
Dr. Henry P. Hynson
Dr. John F. Hancock
Dr. David P. Millard
Dr. James W. Westcott

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Dr. Thomas Fell	Dr. James D. Iglehart
Mr. E. John W. Revell	Mr. Harry E. Blake

YOUNG MEN'S CHRISTIAN ASSOCIATION OF THE UNIVERSITY OF MARYLAND.

The Y. M. C. A., since its establishment twenty years ago, has had a splendid influence in helping to mould the character of the students at the University.

All students in each department of the University are eligible to active or associate membership. Membership in the University Association entitles the holder to special privileges in the City Association. Bible and Mission Study Classes and Social Service Work are promoted by the Association and every effort is exerted to build morality and strong Christian character.

A committee will be on hand in Davidge Hall at the opening of the session to welcome all new students to the University. This committee will be glad to render assistance in securing comfortable rooms and boarding houses, and will extend every other courtesy possible. Each new student will be handed a copy of the handbook, a publication issued by the Y. M. C. A., containing valuable information.

All young men who intend to enter the University are cordially invited to share in the privileges and work of the Association.

The officers named will be glad to furnish any information desired in regard to the Association, and will be glad to render any assistance. Correspondence should be addressed to Fred C. Sabin, President.

UNIVERSITY OF MARYLAND.

DEPARTMENT OF ARTS AND SCIENCES.

St. John's College, Annapolis, Md.

THE FACULTY.

THOMAS FELL, M.A., Ph.D., LL.D., D.C.L., President, Professor of Moral Science.
JOHN BROCKWAY RIPPERE, M.A., Vice-President (Graduate of Wesleyan University), Professor of Latin.
JOHN B. WHITE, M.A., L.H.D. (Graduate of Geneva College), Professor of Greek and Latin.
BENJAMIN HARRISON WADDELL, M.A., L.H.D. (Graduate of Washington and Lee University) Professor of Mathematics.
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HAROLD BRENTON SCARBOROUGH, B.A., M.A. (Graduate of St. John's College), Professor of Drawing and Physics.
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THOMAS L. GLADDEN, M.A., Instructor in Latin and Mathematics.
ROSCOE E. GROVE, B.A. (Graduate of St. John's College), Instructor in German and English.
ROWLAND HAZARD, Assistant in English.
SARAH BERRY, Registrar and Secretary for the President.

DEPARTMENT OF DENTISTRY.

The Regular Winter Season begins on October 1 of each year, and continues until the following May.

The requirements for admission are the same as in all other reputable dental colleges.

FACULTY.

J. HOLMES SMITH, A.M., M.D., Professor of Anatomy.
JOHN C. HEMMETER, M.D., Ph.D., LL.D., Professor of Physiology.
TIMOTHY O. HEATWOLE, M.D., D.D.S., Professor of Dental Materia Medica and Therapeutics, and Dean of Faculty.
ISAAC H. DAVIS, M.D., D.D.S., Professor of Operative and Clinical Dentistry.
J. WILLIAM SMITH, D.D.S., Professor of Dental Prosthesis.
ELMER E. CRUZEN, D.D.S., Professor of Crown and Bridge Work and Ceramics.
E. FRANK KELLY, Phar. D., Professor of Chemistry and Metallurgy.
B. MERRILL HOPKINSON, A.M., M.D., D.D.S., Professor of Oral Hygiene and Dental History.
ELDRIDGE BASKIN, M.D., D.D.S., Professor of Orthodontia and Associate Professor of Clinical Dentistry.
CLYDE V. MATTHEWS, D.D.S., Professor of Histology.
ROBERT P. BAY, M.D., Instructor in Oral Surgery.
ALEX. H. PATERSON, D.D.S., Professor of Dental Technics.
ROBERT L. MITCHELL, M.D., Professor of Bacteriology and Pathology.
J. L. WRIGHT, M.D., Associate Professor of Anatomy.
L. WHITING FARINHOLT, D.D.S., Demonstrator of Crown-Bridge, Porcelain and Inlay Work
H. M. DAVIS, D.D.S., Chief Demonstrator of Operative Dentistry.
S. WHITEFORD MOORE, D.D.S., Demonstrator of Anaesthesia and Analgesia.
J. BEN ROBINSON, D.D.S., Director of Infirmary and Demonstrator of Operative Dentistry.
FRANK P. HAYNES, D.D.S., Lecturer on Dental Anatomy.
B. SARGENT WELLS, D.D.S., Demonstrator of Prosthetic Dentistry.
FRANCIS J. VALENTINE, A.M., D.D.S., Assistant Demonstrator of Operative Dentistry.
E. FITZROY PHILLIPS, D.D.S., Assistant Demonstrator of Operative Dentistry.

DEPARTMENT OF LAW.

FORTY-NINTH ANNUAL SESSION

THE BOARD OF INSTRUCTION.

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FORREST BRAMBLE,, Esq., Commercial Law.
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For catalogue containing full information, address, EDWIN T. DICKERSON, Secretary and Treasurer of Law Faculty, 102-5 Law Building, Baltimore, Md.

DEPARTMENT OF PHARMACY.

MARYLAND COLLEGE OF PHARMACY, 1841-1904.

THE SEVENTY-FIFTH ANNUAL SESSION.

FACULTY.

DAVID M. R. CULBRETH, A.M., Ph.G., M.D., Professor of Materia Medica, Botany and Pharmacognosy.
DANIEL BASE, Ph.D., Professor of Chemistry and Vegetable Histology, Dean of the Faculty.
HENRY P. HYNSON, Phar.D., Professor of Commercial Pharmacy and Store Practice.
E. FRANK KELLY, Phar.D., Professor of Theoretical and Applied Pharmacy.
CHARLES C. PLITT, Ph.G., Associate Professor of Materia Medica, Botany and Vegetable Histology
J. CARLTON WOLF, Phar.D., Professor of Dispensing.
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COLLEGE OF PHYSICIANS AND SURGEONS AND MERCY HOSPITAL

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VOL. IV JULY, 1919 NO. 2

BULLETIN

OF THE

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AND

COLLEGE OF PHYSICIANS AND SURGEONS

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SESSION 1919–1920

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UNIVERSITY OF MARYLAND—GENERAL VIEW

BULLETIN

OF THE

UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE

AND

COLLEGE OF PHYSICIANS AND SURGEONS

Successor to THE HOSPITAL BULLETIN, of the University of Maryland, BALTIMORE MEDICAL COLLEGE NEWS, and the JOURNAL of the Alumni Association of the College of Physicians and Surgeons.

VOL. IV JULY, 1919 No. 2

ANNUAL ANNOUNCEMENT SESSION 1919-1920

CALENDAR

1919-1920

June 1 to September 30.—Daily Clinics at University, Mercy, and Maryland General Hospitals.

September 22.—Examination of Conditioned Students and Examination for Advanced Standing.

October 1.—Regular Session begins.

November 25.—Thanksgiving Recess begins. 6 p.m.

December 1.—Thanksgiving Recess ends. 9 a.m.

December 20.—Christmas Recess begins. 6 p.m.

January 5.—Christmas Recess ends. 9 a.m.

February 22.—Washington's Birthday.

April 1.—Easter Recess begins. 6 p.m

April 6.—Easter Recess ends. 9 a.m.

June 1.—Commencement.

DEPARTMENTS

OF THE

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THE UNIVERSITY is represented by five departments, each having a distinct Faculty of Instruction.

1st. The School of Liberal Arts at Annapolis, Md. St. Johns' College, Annapolis, Md., founded in 1696, has by affiliation become the Department of Arts and Sciences. The curriculum leads to the degree of Bachelor of Arts or Science.

2d. The School of Medicine in Baltimore, Md. The University of Maryland was established in Baltimore in 1807; The College of Physicians and Surgeons was established in Baltimore in 1872. The consolidated school offers a high grade course in medicine extending over a period of four years, and leading to the degree of Doctor of Medicine.

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4th. The School of Dentistry in Baltimore, Md., was founded in 1882, and is designed to teach the art of dentistry as an integral part of the School of Medicine. The course of study leading to the degree of Doctor of Dental Surgery covers a period of four years.

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J. K. LEVAN, M.D.
J. G. THONER, M.D.
W. BOONE, M.D.
C. C. PERRY, M.D.
CARL C. ROMINE, M.D.
E. A. ALLEN, A.B., M.D.
L. P. GIBBONS, M.D.
JOSEPH SINDLER, M.D.
L. S. ABBOTT, M.D.
T. J. MCBEE, M.D.
CHARLES HYMES, M.D.

MARYLAND GENERAL HOSPITAL STAFF.

VISITING STAFF.

Surgeons.

JOHN D. BLAKE, M.D. RANDOLPH WINSLOW, A.M., M.D., LL.D.
RIDGELY B. WARFIELD, M.D. ARTHUR M. SHIPLEY, M.D.
FRANK MARTIN, B.S., M.D.

Associates.

J C LUMPKIN, M.D. A. G. BARRETT, M.D.
H. C. BLAKE, M.D. NATHAN WINSLOW, A.M., M.D.
J. B. CULVERHOUSE, M.D.

Physicians.

E. B. Freeman, M.D. — Jos. E. Gichner, M.D.
H. D. McCarty, M.D. — Charles O'Donovan, A.M., M.D., LL.D.
Gordon Wilson, M.D. — Jno. C. Hemmeter, M.D., Ph.D., Sc.D., LL.D.
D. Corbin Streett, A.B., M.D.

Associates.

J. E. Poulton, M.D. — J. W. Clift, M.D.
Frank J. Powers, M.D.

Neurologists.

Chas. G. Hill, A.M., M.D. — Irving J. Spear, M.D.
George M. Settle, M.D.

Laryngologists.

S. K. Merrick, M.D. — John R. Winslow, A.B., M.D.

Obstetricians.

J. M. H. Rowland, M.D. — L. E. Neale, M.D., LL.D.

Associates.

J. K. B. Seegar, M.D. — Stanley H. Gorsuch, M.D.

Gynecologists.

W. B. Perry, M.D. — J. Mason Hundley, M.D.

Associates.

S. H. Streett, B.S., M.D. — Maurice Lazenby, M.D.
J. M. Fenton, M.D. — E. H. Hayward, M.D.

Ophthalmologists.

J. Frank Crouch, M.D. — Hiram Woods, A.M., M.D.

Associates.

Clyde A. Clapp, M.D. — R. D. West, M.D

Proctologists.

G. Milton Linthicum, A.M., M.D.

Associate.

Ernest G. Marr, M.D

Radiologist.

John Evans, M.D.

Dermatologist.

E. R. Stroebel, A.B., M.D.

Urologist.

W. B. Wolf, M.D.

Orthopedic Surgeon.

Sydney M. Cone, A.B., M.D.

Pathologists.

Wm. Royal Stokes, M.D., Sc.D. Standish McCleary, M.D.
G. Howard White, M.D.

RESIDENT STAFF.

Charles T. Fisher, M.D., *Medical Superintendent*

W. B. Dalton, M.D.
H. E. Wright, M.D.
A. C. Tiemeyer, M.D.
C. W. Stewart, M.D.
H. A. Cregg, M.D.
W. C. Deakyne, M.D.
R. L. Lumpkin, M.D.
E. P. Adams, M.D.
F. J. Bampfield, M.D.
J. J. Giesen, M. D.

THE JAMES LAWRENCE KERNAN HOSPITAL AND INDUSTRIAL SCHOOL OF MARYLAND FOR CRIPPLED CHILDREN.

R. Tunstall Taylor, A.B., M.D., *Surgeon-in-Chief.*

Associate Surgeons.

Sydney M. Cone, A.B., M.D Albertus Cotton, A.M., M.D.
Compton Riely, M.D.

W. H. Daniels, M.D., *Dispensary Surgeon and Anaesthetist.*

C. Reid Edwards, M.D., *Assistant Surgeon and Superintendent.*

George F. Lynch, M.D., *Resident Surgeon.*

Miss Anita Renshaw Presstman, *Instructor in Corrective Gymnastics*

Miss Mary H. Lee, *Principal of School*

Miss Ada Mosby, *Kindergartner and Industrial Teacher*

Roentgenologist.

Henry J. Walton, M.D.

Attending Plastic Surgeon.

John Staige Davis, B.Sc., M.D.

Attending Physician.

A. D. Atkinson, M.D.

Attending Surgeon.

Frank Martin, B.Sc., M.D.

Attending Laryngologists.

John R. Winslow, A.B., M.D. Richard H. Johnston, M.D.

Attending Dermatologist.

John R. Abercrombie, A.B., M.D.

Attending Pathologist.

Howard J. Maldeis, M.D.

Attending Urologist.

Gideon Timberlake, M.D.

Attending Oculist and Aurist.

William Tarun, M.D.

Attending Neurologist.

Irving J. Spear, M.D.

Attending Dentist.

G. E. P. Truitt, D.D.S.

Consulting Surgeons.

W. S. Halsted, A.B., LL.D , B.Sc., M.D. J. M. T. Finney, A.B., M.D.
Randolph Winslow, A.M., M.D., LL.D. Archibald C. Harrison, M.D.

Consulting Physicians.

Thomas R. Brown, A.B., M.D. Llewellys F. Barker, A.B., M.D.
Thomas B. Futcher, A.B., M.D. William S. Thayer, A.B., M.D.

Consulting Oculist.

Hiram Woods, A.B., M.D.

Consulting Laryngologist.

John N. MacKenzie, A.B., M.D.

STAFF OF THE CITY HOSPITAL AT BAYVIEW.

THOMAS R. BOGGS, S.B., M.D., *Physician-in-Chief.*

ARTHUR M. SHIPLEY, M.D., *Surgeon-in-Chief.*

H. D. MCCARTY, M.D., *Physician-in-Chief to the Municipal Hospital for Tuberculosis.*

H. H. BULLARD, M.D., *Pathologist.*

CONSULTING STAFF.

Ophthalmologist.

JAMES J. MILLS, M.D.

Otologist.

WILLIAM TARUN, M.D

Gynecologists.

EDWARD H. RICHARDSON, M.D. HUGH W. BRENT, M.D.

Urologists

GIDEON M. TIMBERLAKE, M.D. JOHN T. GERAGHTY, M.D.

Laryngologist.

FRANK DYER SANGER, M.D

Pediatrician.

JOHN RUHRÄH, M.D.

Neurologist.

HENRY M. THOMAS, M.D.

ST. ELIZABETH HOME.

Attending Physician.

EDGAR B. FRIEDENWALD, M.D.
FRANK AYD, M.D.

Surgeon.

ALEXIUS MCGLANNAN, M.D.

Neurologist.

A. C. GILLIS, M.D.

STAFF OF NURSERY AND CHILD'S HOSPITAL.

Attending Physicians.

Edgar B. Friedenwald, M.D. Harry Goldberg, M.D.

Consulting Physicians and Surgeons.

John Ruhrah, M.D. Wm. S. Baer, M.D. Wm. F. Lockwood, M.D.
Albertus Cotton, M.D.

Oculist and Aurist.

Harry Friedenwald, M.D.

Superintendent.

Mrs. O. V. Jones

ST. VINCENT'S INFANT ASYLUM.

Visiting Physicians.

Charles O'Donovan A.M., M.D. Eugene H. Hayward, M.D.
J. E. Poulton, M.D. J. K. B. E. Seegar, M.D.
F. J. Powers, M.D. L. C. M. Parker, M.D.

Visiting Surgeons.

Frank Martin, B.S., M.D. John D. Blake, M.D.
R. B. Warfield, M.D. Alexius McGlannan, M.D.

Visiting Oculists and Aurists.

J. Frank Crouch, M.D. Clyde E. Clapp, M.D.

Visiting Orthopedic Surgeons.

Sydney M. Cone, A.M., M.D. Compton Riely, M.D.

Visiting Proctologist.

G. Milton Linthicum, A.M., M.D.

Pathologist.

Sydney M. Cone, A.M., M.D.

MARYLAND LYING-IN ASYLUM (MATERNITÉ).

Visiting Obstetricians.

George W. Dobbin, M.D. Charles E. Brack, M.D.
Maurice Lazenby, M.D.

MARYLAND LYING-IN HOSPITAL.

Obstetricians.

J. M. H. Rowland, M.D. L. E. Neale, M.D.

Associates.

J. K. B. E. Seegar, M.D. H. S. Gorsuch, M.D.

Resident Obstetrician.

Arthur C. Tiemeyer, M.D.

UNIVERSITY HOSPITAL DISPENSARY STAFF.

J. A. Skladowsky, M.D., *Dispensary Physician.*

Medicine.

R. C. Metzel, M.D. M. S. Schimmel, M.D.
S. R. Clarke, M.D. Horace Byers, M.D.
Eugene Kerr, M.D. W. O. Huff, M.D.
M. L. Lichtenberg, M.D. D. C. Street, M.D.

Surgery.

Frank S. Lynn, M.D., *Chief of Clinic.*
T. L. Phillips, M.D. Charles R. Edwards, M.D.
E. S. Perkins, M.D. H. M. Foster, M.D.
H. Lawrence Wheeler, M.D. W. H. Toulson, M.D.

Pediatrics.

Charles L. Summers, M.D., *Professor of Clinical Pediatrics.*
J. S. Fenby, M.D., *Chief of Clinic.*
John Houff, MD. C. L. Joslin, M.D.
F. H. Machin, M.D. J. Fred. Hawkins, M.D.

Gynecology.

W. K. White, M.D. R. G. Willse, M.D.
R. L. Mitchell, M.D. L. H. Douglas, M.D.
J. A. Skladowsky, M.D. D. Silberman, M.D.

Eye and Ear.

Wm. Tarun, M.D., *Chief of Clinic.*
E. A. Looper, M.D. G. Murgatroyd, M.D.
H. L. Sinsky, M.D.

Skin.

H. M. Robinson, M.D. *Chief of Clinic.*

Stomach.

George W. Hemmeter, M.D. M. B. Levin, M.D.

Nose and Throat.

Henry L. Sinsky, M.D.
H. H. Warner, M. D.
A. W. Reier, M.D.
Franklin B. Anderson, M.D.

Orthopedics.

R. Tunstall Taylor, A.B., M.D., *Professor of Orthopedic Surgery.*

Compton Riely, M.D., *Chief of Clinic*

W. H. Daniels, M.D.

Genito-Urinary.

Gideon Timberlake, M.D., *Professor of Genito-Urinary Diseases.*
A. J. Underhill, M.D., *Chief of Clinic.*
W. H. Councill, M.D.

Neurology.

Irving J. Spear, M.D., *Professor of Neurology.*
G. M. Settle, M.D., *Chief of Clinic.*
B. Pushkin, M.D.
J. A. Skladowsky, M.D.

Proctology.

G. Milton Linthicum, M.D., *Professor of Diseases of Rectum and Colon.*
J. D. Reeder, M.D., *Chief of Clinic.*

Tuberculosis.

J. E. O'Neill, M.D., *Chief of Clinic*

Obstetrics.

L. H. Douglass, M.D., *Chief of Clinic.*
Wm. B. Schapiro, M.D.

X-Ray Department

Henry J. Walton, M.D., *Roentgenologist.*
Lewis P. O'Donnell, M.D.

Miss Frances Meredith, *Chief Nurse, Out-Patient Department.*

DISPENSARY STAFF OF MERCY HOSPITAL.

Physician in Charge.

B. S. Hanna, M.D.

Surgery.

A. C. Harrison, M.D.
E. H. Hutchins, M.D.
A. M. Evans, M.D.
T. R. Chambers, M.D.
F. L. Jennings. M.D.
A. F. Hutchins, M.D.
W. W. Requardt, M.D.

Genito-Urinary Surgery.

ANTON G. RYTINA, M.D.

WM. J. TODD, M.D. — A. E. GOLDSTEIN, M.D.
A. L. TUMBLESON, M.D. — HARRIS GOLDMAN, M.D.

Orthopedic Surgery.

ALBERTUS COTTON, M.D. — HARRY L. ROGERS, M.D.

Medicine.

B. S. HANNA, M.D. — L. J. ROSENTHAL, M.D.
B. T. BAGGOTT, M.D. — A. C. SORENSON, M.D.

Diseases of Stomach.

JULIUS FRIEDENWALD, M.D. — JOHN G. STIEFEL, M.D.
T. FRED'K LEITZ, M.D. — THEODORE MORRISON, M.D.
M. FELDMAN, M.D.

Nervous Diseases.

A. C. GILLIS, M.D. — D. D. V. STUART, JR., M.D.
G. F. SARGENT, M.D. — G. B. WOLFE, M.D.
OTTO H. DUKER, M.D. — J. W. V. CLIFT, M.D.

Diseases of Children

C. L. JOSLIN, M.D.

F. N. HILLIS, M.D. — FRANK AYD, M.D.

Diseases of Women.

W. S. GARDNER, M.D. — T. K. GALVIN, M.D.
A. SAMUELS, M.D. — C. F. J. COUGHLIN, M.D.

Diseases of Nose and Throat.

FRANK DYER SANGER, M.D.

G. W. MITCHELL, M.D. — W. F. ZINN, M.D.

Diseases of Eye and Ear.

HARRY FRIEDENWALD, M.D

H. K. FLECKENSTEIN, M.D. — JOS. I. KEMLER, M.D.

Neuro-Otology.

J. W. DOWNEY, JR., M.D.

Diseases of the Rectum.

C. F. BLAKE, M.D.

Diseases of Skin.

MELVIN ROSENTHAL, M.D. — B. V. KELLY, M.D.

MARYLAND GENERAL HOSPITAL DISPENSARY STAFF.

Medicine and Children.

Charles O'Donovan, M.D. H. D. McCarty, M.D.

Surgery.

Arthur G. Barrett, M.D. J. D. Bubert, M.D.
George Shannon, M.D.

Eye and Ear.

Clyde A. Clapp, M.D. Reginald D. West, M.D.
J. E. Brumback, M.D.

Nose and Throat.

George W. Murgatroyd, M.D. Wm. Caspari, M.D.

Gastro-Enterology and Proctology.

E. B. Freeman, M.D. Ernest G. Marr, M.D.

Urology.

R. B. Kenyon, M.D. E. H. K. Zeller, M.D.

Gynecology.

W. B. Perry, M.D. J. M. Fenton, M.D.
J. M. Denny, M.D.

Dermatology.

R. B. Kenyon, M.D. E. H. K. Zeller, M.D.

Neurology.

George M. Settle, M.D. A. C. Gillis, M.D.
Irving C. Spear, M.D.

MATRICULATES, UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE AND COLLEGE OF PHYSICIANS AND SURGEONS, 1918–1919.

POST-GRADUATES AND SPECIAL STUDENTS.

Name	State
Bryant, Frank A., M.D.	Washington
Cudney, Ethan B.	Michigan
Elitzak, Jacob	New York
Fleck, Roland F.	Pennsylvania
Fleshman, Charles M.	West Virginia
Gallagher, Thomas J.	New Jersey
Hathaway, Sylvester Erwin	Virginia
Heitsch, Hubert Messner	Michigan
Hollister, William, B.S.	North Carolina
Jones, John Craige	North Carolina
Kellner, R. G., M.D.	Washington
Larrabee, B. E., M.D.	Maine
McGee, Pearl	Maryland
McNamara, Henry Erskine, Ph.G.	Alabama
Nimmo, Ruth Natali, A.B.	Maryland
Paulman, George P., M.D.	Maryland
Peacock, Lee W.	Michigan
Peters, Calvin Cyrus	West Virginia
Posey, D. C., M.D.	Pennsylvania
Rice, Charles	Massachusetts
Trainor, William J.	Oklahoma
Van Kirk, W., M.D.	Maryland
Walker, James F., M.D.	New York
Walker, Charles H., M.D.	Georgia
Young, John Henry	South Carolina

FOURTH YEAR CLASS.

Name	State
Abbott, Lyman Sinclair	Missouri
Adams, Edgar Paul	Maryland
Alagia, Damian Paul	Maryland
Allen, Eustace Andrew, A.B.	Alabama
Barker, Frank Talmage	Florida
Boone, Jr., Walter	South Carolina
Brown Jr., James	North Carolina
Buchness, John Adam	Maryland
Cooke, G. Carlyle	North Carolina
Coulon, Frank N.	New Hampshire
Cregg, Herbert Alexander	Massachusetts
Davis, Charles Willson, A.B.	North Carolina
Davis, John Edward	Virginia
Deakyne, Walter Clifton	Delaware
Dye, Frank Ganes	New York
Flippin, Eugene Littlejohn	North Carolina
Fort, Wetherbee	Maryland
Franceschi, Francisco	Porto Rico
Geyer, William G.	Maryland
Goldsborough, Charles R., A.B., A.M.	Maryland
Hartenstein, Albert G., Ph.G.	West Virginia
Helsabeck, Chester J.	North Carolina
Horine, Cyrus Flook	Maryland
Howell, James E., B.S.	North Carolind
Ingram, W. Hawkins	Maryland
Jacobowitz, Aaron	Pennsylvania
Kellam, John Wise	Virginia
LaRue, Raymond T.	Ohio
Lonergan, Paul Basil	Pennsylvania
Lumpkin, Morgan LeRoy, Ph.B.	Maryland
Lynch, Raymond Addison	West Virginia
McElwain, Howard Byer	Pennsylvania
Macis, Salvador Albanes, B.S., B.A.	Central America
Mayoral, Joaquin	Cuba
Miller, Daniel	Maryland
Morales, Pablo Otero	Porto Rico
Owens, William Duncan	Georgia
Phillips, Lawrence Davies	West Virginia
Reynolds, Paul Emerson	Maryland
Reynolds, Roy Rex	Virginia
Richards, Charles William V., A.B.	Maryland
Romine, Carl Chester	West Virginia
Schaefer, John William	District of Columbia
Shaffer, Stewart S.	Pennsylvania
Shaver, William T.	North Carolina
Smith, Munford	Pennsylvania
Stewart, Charles Wilbur	Maryland
Taylor, Joseph Russell	Pennsylvania
Tiemeyer, Arthur Charles	Maryland
Thoner, John George	West Virginia
Vazquez, Rafael S.	Porto Rico
Whitted, Walter Puryear	North Carolina
Wright, Harold E.	New York

THIRD YEAR CLASS.

Name	State
Artigiani, Philibert, Phar.D.	*Maryland*
Aubrey, John Forsyth	*Maryland*
Banvard, Navy Francis Xavier	*New Jersey*
Bernabe, Adolfo	*Porto Rico*
Billingslea, Charles Levine	*Maryland*
Broadrup, Earl Edgar	*Maryland*
Brumback, Lynn Hamilton	*Virginia*
Bubert, Howard Mathison	*Maryland*
Burton, Claud Carter, B.S.	*Kentucky*
de Cardona, Nestor	*Porto Rico*
*Castro, Andres Gutierrez, B.A.	*Costa Rico*
Clarken, Joseph Austin	*New Jersey*
Comas, Alfredo Calero	*Cuba*
*Cowan, Leland Robert, B.S.	*Utah*
Davidov, Nathan J.	*West Virginia*
DeForest, Clayce Remine	*West Virginia*
Dobihal, Louis Charles	*Maryland*
Erwin, John Joseph	*West Virginia*
Evans, Harold Parriott	*West Virginia*
Fahndrich, Carl Gustav	*Maryland*
Finney, Roy Pelham	*Virginia*
Ginsburg, Leon	*Maryland*
Gleason, Joseph Henry	*Massachusetts*
Gold, Ben	*North Carolina*
Gonzalvo, Francisco Antonio	*Santo Domingo*
Hakim, Fattansha Merwanji	*India*
Holden, Frederick Allan	*Maryland*
Hooper, Zebulon Vance	*North Carolina*
*Horne, Lyman Merrill, B.S.	*Utah*
Jackvony, Albert H.	*Rhode Island*
Janer, Angel	*Porto Rico*
John, Benjamin Clifford	*West Virginia*
Kaufman, Edward L.	*West Virginia*
Kenure, James Thomas, B.S.	*Connecticut*
Kinney, James P.	*New York*
Knotts, Earle Paul, B.S.	*Maryland*
Kourey, Salem William	*Iowa*
Lombard, Nicholas Thomas, Phar.D.	*Maryland*
Lueders, Jr., William	*Maryland*
McGill, Waldo Knox, A.B.	*South Carolina*
McLeod, Walter Guy	*North Carolina*
Marshall, Charles Benton	*West Virginia*
Martin, William Francis	*North Carolina*
Mackey, William K.	*West Virginia*
Mallett, Victor Joseph	*New York*
Medairy, George Curtis	*Maryland*
Metcalf, John William	*Ohio*
*Middlemiss, William Robert, B.S.	*Utah*
Orr, William Jennings Bryan	*North Carolina*
Perry, Clayton Charles	*Pennsylvania*
Pessagno, Daniel James, A.B.	*Maryland*
Ponte, Jr., Joseph P.	*Massachusetts*
Quintero, Ernesto	*Porto Rico*
de Quevedo, Rafael Garcia	*Porto Rico*
Reese, John Gottlieb Morris	*Maryland*
Richardson, Ray Walters	*Maryland*
Rigney, Jr., Lawrence J.	*Delaware*
Schoenheit, Edward William	*North Carolina*
Sheppard, Jr., Henry,	*North Carolina*
Skaggs, James W.	*West Virginia*
Smith, Frederick Bruce	*Maryland*
*Stokes, Julius Boniman	*South Carolina*
Tolson, Jr., Howard Lee	*Maryland*
Underwood, J. Harold	*West Virginia*
Ward, Edwin Elton	*Maryland*
Warren, John Freeman	*New York*
White, Thomas Francis	*Maryland*
Wild, Albert	*Connecticut*
Wissig, George LeRoy	*Maryland*
Woodruff, Julian S.	*North Carolina*
Zinberg, Israel Saul	*Maryland*

*Not in attendance the entire session.

SECOND YEAR CLASS.

Name	State
Badagliacca, Francis Lucian	*New Jersry*
Barnes, Bruce	*New Jersey*
Benson, Carl Fisher	*Maryland*
Bernardo, John Ralph	*Delaware*
Bolewicki, Peter Edward, A.B.	*Maryland*
Bonfiglio, Vincent	*Maryland*
Bose, Jogesh Chandra, B.S.	*India*
Costa, Oscar G.	*Porto Rico*
Culver, Samuel Hearn	*Delaware*
Dorf, Herman J.	*New York*
Evans, Arnold Lunda, B.S.	*Kentucky*
Fisher, Charles Frederick	*West Virginia*
Fisher, Daniel Sebastian	*Pennsylvania*
Foley, Charles J.	*Maryland*
Franklin, Joseph Powel, A.B.	*Alabama*
Freedom, Leon	*Maryland*
Fulton, William James	*Maryland*
Golley, Kyle W.	*Maryland*
Grabill, John Stanley	*Maryland*
Guyton, John Willis	*Maryland*
Hardman, Carney	*West Virginia*
Hawks, Cyrus Eugene	*Virginia*
Henneberger, Cyril Russell	*Maryland*
Holofcener, Julius D.	*Maryland*
Jaffe, Albert	*Maryland*
Joska, Vincent Vernon	*Maryland*
Joyner, George Richardson	*Virginia*
Keegan, Daniel Francis, A.B.	*Massachusetts*
Kemp, Richard Joseph	*Maryland*
Kwilinski, Teofil S.	*New Jersey*

LUBAN, BENJAMIN..... *New York*
LASS, LOUIS..... *New York*
MCCOY, ARLEY VON, A.B..... *West Virginia*
MARTINEZ, EZEQUIEL..... *Porto Rico*
MATTHEWS, STANLEY WILLIAM.. *North Carolina*
MELENDEZ, JUAN..... *Porto Rico*
MERCIER, ALBIN SCOTT, A.B..... *Maryland*
MILLAN, LYLE JORDAN..... *Virginia*
MONNINGER, ARTHUR CERYL..... *Pennsylvania*
MONSERRAT, ANTONIO..... *Porto Rico*
NAVARRO, ARMANDO SILVA..... *Porto Rico*
NEY, THOMAS JOSEPH..... *Rhode Island*
O'ROURK, THOMAS RUTTER..... *Maryland*
PACIENZO, FRANK ANTHONY..... *Maryland*
PAULSON, MOSES..... *Maryland*
PETERS, EDGAR ALLAN POE, B.S..... *Kentucky*
PILLSBURY, HAROLD CROCKETT..... *Maryland*
PLYLER, RALPH JOHNSON, A.B.. *North Carolina*
POKORNY, JOSEPH..... *Maryland*
QUINONES, NORBERTO ALFREDO.... *Porto Rico*
REESE, HARRY RANDOLPH..... *Virginia*
REYNOLDS, FRANCIS A..... *Massachusetts*
RIES, FERDINAND A..... *Maryland*
ROBINSON, WILFRED JOHN..... *Connecticut*
ROMILLY, HAROLD A..... *Virginia*
RYON, JAMES BARRY, A.B..... *Maryland*
SABIN, FRED C..... *New York*
*SAPORITO, ARCHIBALD RICHARD... *New Jrrsey*
SAVAGE, PHILIP J..... *Connecticut*
SCOTELLARO, NICHOLAS J..... *New York*
SCHILLING, JESMOND WILLIAM.... *Pennsylvania*
SEAY, THOMAS W..... *Virginia*
SHANNON, GEORGE EDMON..... *Maryland*
SHERMAN, SOLOMON..... *Maryland*
SHIRCLIFF, ELLIOTT WALTER..... *Maryland*
SHUBERT, FELIX STANLEY..... *Pennsylvania*
STEIN, NATHAN..... *New York*
STONE, SAUL G..... *Ohio*
SZCZERBICKI, JOHN VALENTINE..... *Maryland*
TILGHMAN, STANLEY JAMES..... *Maryland*
WANGLER, HERMAN ERNEST..... *New York*
WEINKAUF, WILLIAM FERDINAND..... *Michigan*
WELLS, GEORGE EDWARD..... *Maryland*
WIEST, PAUL FOREMAN..... *West Virginia*
WILKERSON, JAMES HERBERT..... *Maryland*
WILLIAMS, MORTIMER HARRY..... *Virginia*
WILSON, W. WELLFORD, Phar.D..... *Maryland*
WOLFE, JAMES CLINTON..... *New Jersey*
YEAGER, LESLIE A., B.S..... *New York*

*Not in attendance the entire session.

FIRST YEAR CLASS.

Name	*State*
ACKER, SALLIE E.....	*Virginia*
*AUSTERLITZ, JOHN S., Phar.D.....	*Maryland*
BUCHNESS, ANTHONY VINCENT, A.B..	*Maryland*
*CARPENTER, SIMON WILLIAM....	*West Virginia*
CHAMPE, JR., IRA PRESTON.....	*West Virginia*
ELZEY, FRANK WALKER, B.S.....	*New Jersey*
EVATTE, CLAY W.....	*South Carolina*
*FOREMAN, TOM ALEXANDER...	*North Carolina*
GREENBAUM, LEONARD HARRY.....	*Maryland*
GOLDMANN, BERNHARD ALEXANDER	*Pennsylvania*
HALLEY, GEORGE CONRAD.....	*Maryland*
INGRAM, DAVID NEILL.....	*Pennsylvania*
ISEAR, MILTON RODERICK.....	*South Carolina*
KRAGER, JOHN JOSEPH.....	*Maryland*
KUNKOWSKI, ANDREW.....	*Maryland*
LANG, MILTON CHARLES.....	*Maryland*
LAWSON, LAWRENCE WELLS.....	*West Virginia*
MCCOY, CECIL GLEN, B.A.....	*West Virginia*
MATTHEWS, JR., WILLIAM EDWARD...	*Maryland*
*NASH, ALEXANDER EDGAR.....	*New Jersey*
NAZARIO, LORENZO.....	*Porto Rico*
O'CONNER, JOHN ANDREW, B.A.....	*Maryland*
PETERS, HAROLD RAYMOND, B.A.....	*Maryland*
PONDFIELD, LOUIS.....	*Maryland*
RHODES, BRICEY MILTON.....	*Florida*
RUDISILL, JOHN DAVIS.....	*North Carolina*
SEKERAK, ARTHUR JOSEPH FRANCIS	*Connecticut*
SULLIVAN, EDMOND JOHN JOSEPH....	*Maryland*
*TERRY, MILLARD GILBERT.....	*New York*
*WHEELER, ARTHUR BECKER, D.D.S.	*Maryland*
WILSON, THOMAS NORWOOD, B.A.....	*Maryland*
WARFIELD, JR., JOHN OGLE.....	*Pennsylvania*

*Not in attendance the entire session.

GENERAL SUMMARY OF STUDENTS ATTENDING THE UNIVERSITY OF MARYLAND, SESSION OF 1918-19.

Department of Arts and Sciences (St. John's College)	236
Department of Medicine	235
Department of Law	125
Department of Dentistry	141
Department of Pharmacy	52
Training Schools for Nurses	240
Total	1029

GRADUATES, UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE AND COLLEGE OF PHYSICIANS AND SURGEONS
June 14, 1919

Name	State
Abbott, Lyman Sinclair	*Missouri*
Adams, Edgar Paul	*Maryland*
Alagia, Damian Paul	*Maryland*
Barker, Frank Talmage	*Florida*
Boone, Jr., Walter	*South Carolina*
Brown, Jr., James	*North Carolina*
Buchness, John Adam	*Maryland*
Cregg, Herbert Alexander	*Massachusetts*
Davis, Charles Willson, A.B.	*North Carolina*
Davis, John Edward	*Virginia*
Deakyne, Walter Clifton	*Delaware*
Dye, Frank Ganes	*New York*
Flippin, Eugene Littlejohn	*North Carolina*
Fort, Wetherbee	*Maryland*
Franceschi, Francisco	*Porto Rico*
Geyer, William G.	*Maryland*
Goldsborough, Charles R., A.B., A.M.	*Maryland*
Hartenstein, Albert G., Ph.G.	*West Virginia*
Helsabeck, Chester J.	*North Carolina*
Horine, Cyrus Flook	*Maryland*
Ingram, W. Hawkins	*Maryland*
Jacobowitz, Aaron	*Pennsylvania*
Lonergan, Paul Basil	*Pennsylvania*
Lumpkin, Morgan LeRoy, Ph.B.	*Maryland*
McElwain, Howard Byer	*Pennsylvania*
Macis, Salvador Albanes, B.S., B.A.	*Central America*
Mayoral, Joaquin	*Cuba*
Miller, Daniel	*Maryland*
Morales, Pablo Otero	*Porto Rico*
Owens, William Duncan	*Georgia*
Phillips, Lawrence Davies	*West Virginia*
Reynolds, Roy Rex	*Virginia*
Richards, Charles William V., A.B.	*Maryland*
Romine, Carl Chester	*West Virginia*
Smith, Munford	*Pennsylvania*
Stewart, Charles Wilbur	*Maryland*
Tiemeyer, Arthur Charles	*Maryland*
Vazquez, Rafael S.	*Porto Rico*
Whitted, Walter Puryear	*North Carolina*
Wright, Harold E.	*New York*

GRADUATES, UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE AND COLLEGE OF PHYSICIANS AND SURGEONS
February 1, 1919

Name	State
Allen, Eustace Andrew, A.B.	*Alabama*
Cooke, G. Carlyle	*North Carolina*
Coulon, Frank N.	*New Hampshire*
Kellam, John Wise	*Virginia*
Reynolds, Paul Emerson	*Maryland*
Schaefer, John William.	*District of Columbia*
Shaffer, Stewart S.	*Pennsylvania*
Shaver, William T.	*North Carolina*
Taylor, Joseph Charles	*Maryland*
Thoner, John George	*West Virginia*

PRIZEMEN

University Prize—*Gold Medal*..... Howard Byer McElwain
Certificate of Honor..... W. Hawkins Ingram
Certificate of Honor..... Charles Willson Davis
Certificate of Honor..... Charles Wilbur Stewart
Certificate of Honor..... LeRoy Morgan Lumpkin
Certificate of Honor..... Harold E. Wright

In the third year the Jose L. Hirsch prize of $50.00 was awarded to Roy P. Finney for the best work in Pathology during the second and third years.

THE UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE

AND

COLLEGE OF PHYSICIANS AND SURGEONS.

UNITED IN 1915, AND HEREAFTER THE TWO SCHOOLS WILL BE CONDUCTED AS ONE.

As a result of the merger accomplished in 1915 the combined schools offer the student the abundant resources of both institutions, and, in addition, by earlier combination with the Baltimore Medical College, the entire equipment of three large medical colleges.

The School of Medicine of the University of Maryland is one of the oldest foundations for medical education in America, ranking fifth in point of age among the medical colleges of the United States. It was chartered in 1807, under the name of the College of Medicine of Maryland, and its first class was graduated in 1810. In 1812 the College was empowered by the Legislature to annex three other colleges or faculties, of Divinity, of Law and of Arts and Sciences, and the four colleges thus united were "constituted an University by the name and under the title of the University of Maryland."

Established thus for more than a century, the School of Medicine of the University of Maryland has always been a leading medical college, especially prominent in the South and widely known and highly honored throughout the country.

The beautiful college building at Lombard and Greene Streets, erected in 1814–1815, is the oldest structure in America devoted to medical teaching. Here was founded one of the first medical libraries and the first medical college library in the United States.

Here for the first time in America dissecting was made a compulsory part of the curriculum; here instruction in Dentistry was first given (1837), and here were first installed independent chairs for the teaching of Diseases of Women and Children (1867) and of Eye and Ear Diseases (1873).

The School of Medicine was one of the first to provide for adequate clinical instruction by the erection in 1823 of its own

hospital, and in this hospital intra mural residency for the senior student was first established.

In 1913 juncture was brought about with the Baltimore Medical College, an institution of 32 years growth. By this association the facilities of the School of Medicine were enlarged in faculty, equipment and hospital connection.

The College of Physicians and Surgeons was incorporated under the Legislative enactment in 1872 and established on Hanover Street in a building afterwards known as the Maternité, the first obstetrical hospital in Maryland. In 1878 union was effected with the Washington University School of Medicine, in existence since 1827, and the College was removed to its present location at Calvert and Saratoga Streets. By this arrangement, medical control of the City Hospital, now the Mercy Hospital, was obtained, and on this foundation in 1899 the present admirable college building was erected.

CLINICAL FACILITIES.

HOSPITALS AND DISPENSARIES.

UNIVERSITY HOSPITAL.

The University Hospital, which is the property of the Faculty of Physic of the University of Maryland, is the oldest institution for the care of the sick in the State of Maryland. It was opened in September, 1823, under the name of the Baltimore Infirmary, and at that time consisted of but four wards, one of which was reserved for eye cases. By successive additions this hospital was increased to more than fourfold its original accommodations, there being added to it a large clinical amphitheater, a students' building for the accommodation of the thirty clinical assistants, and a nurses' building for the accommodation of the pupils of the Training School for Nurses. The yearly increase in the number of patients seeking admission to the hospital, however, more than kept pace with the increase in accommodations, and the Faculty therefore erected an entirely new and modern hospital of fully double the capacity of the former building.

The University Hospital is constructed of brick and Tennessee limestone in the Colonial style of architecture, fronting 175 feet upon Lombard Street, and about the same on Greene Street. It is supplied, with the most modern and approved system of heating, ventilation

etc., and equipped with all modern requirements and conveniences for the care of the sick, and for the clinical instruction of the students of the University.

It is one of the largest and finest hospitals owned and controlled by any medical school in America, and in point of architectural beauty, convenience and completeness of arrangements and equipment compares favorably with other hospitals.

An important adjunct to the hospital is the postmortem building, which is constructed with special reference to the instruction of students in pathological anatomy.

The hospital is situated opposite the University building, so that the student looses no time in passing from the lecture halls to the clinical amphitheater, dispensary and wards.

A portion of the hospital is used as a marine hospital for foreign seamen. The great importance of Baltimore as a shipping point brings into her harbor many vessels from all parts of the world, and the sick sailors who are cared for in the wards of the institution give the students an opportunity to observe a large variety of diseases. Another considerable portion of the building is used as a Municipal Hospital, and contains charity beds supported by the city of Baltimore. This department of the hospital is taxed to its utmost capacity to afford accommodations for the patients seeking admission.

Owing to its location, being the nearest hospital to the largest manufacturing district of the city, the University Hospital receives for treatment a very large number of accident cases of all kinds, both slight and serious. These cases, as well as patients suffering from the various diseases of our own climate, occupy the beds, and add greatly to the facilities of clinical teaching enjoyed by the school. The facilities for clinical instruction have been greatly enlarged by an appropriation by the State of Maryland for the support of free beds for patients from the various counties.

MERCY HOSPITAL.

The Sisters of Mercy first assumed charge of the Hospital at the corner of Calvert and Saratoga streets, then owned by the Washington University, in 1875. By the merger of 1878 the Hospital came under the control of the College of Physicians and Surgeons, but the Sisters continued their work of administering to the patients.

In a very few years it became apparent that the City Hospital, as it was then called, was much too small to accommodate the rapidly

growing demands upon it. However, it was not until 1888 that the Sisters of Mercy with the assistance of the Faculty of the College of Physicians and Surgeons, were able to lay the corner stone of the present Hospital. This building was completed and occupied late in 1889. Since then the growing demands for more space has compelled the erection of additions, until now there are accommodations for 351 patients.

In 1909 the name was changed from The Baltimore City Hospital to Mercy Hospital.

Mercy Hospital is located in the center of a city of 750,000 inhabitants and is under the exclusive medical control of the College of Physicians and Surgeons. It adjoins the College building and all surgical patients from the public wards are operated upon in the College operating rooms. This union of the Hospital and College buildings greatly facilitates the clinical teaching, as there is no time lost in passing from one to the other.

Mercy Hospital is the hospital of the United Railways and Electric Company of Baltimore City, and receives patients from the Baltimore and Ohio Railroad Company and from the Pennsylvania Railroad Company and its branches.

During the calendar year of 1918 there were treated in the various departments of this hospital more than 30,000 people.

THE MARYLAND GENERAL HOSPITAL.

The Maryland General Hospital, situated at Madison Street and Linden Avenue, has a capacity of 175 beds, and furnishes a large amount of clinical material, which is under the control of the Faculty of Physic for teaching purposes.

A new operating suite has just been completed, modern in every particular and adapted to the teaching of small sections of students. The Hospital has been remodeled throughout and new wards added at a cost of $50,000. The hospital treated during the last calendar year 3198 patients in the ward and 8434 outdoor patients. One thousand four hundred and seventy-five surgical operations were performed.

The hospital receives appropriations from the State of Maryland and the City of Baltimore for the support of charity cases.

FRANKLIN SQUARE HOSPITAL.

The Franklin Square Hospital has a capacity of 112 beds. During the year ending December 31, 1918, 1612 cases were treated in the hospital, and 2730 patients were treated in the dispensary. Ten hundred and thirty-nine surgical operations were performed in the hospital.

LYING-IN HOSPITALS.

MATERNITY HOSPITAL OF THE UNIVERSITY OF MARYLAND.

This institution is also the property of the Faculty of Physic and under its exclusive control and direction, and is conducted with the special purpose of furnishing actual obstetrical experience to each member of the graduating class.

New accommodations have been provided in the general hospital, and the Maternity Department now offers better facilities than ever before, while the large increase in clinical material has made it possible to offer excellent opportunities for post-graduate work.

MARYLAND LYING-IN HOSPITAL.

This hospital adjoins the Maryland General Hospital and furnishes an abundance of clinical material, which is under the control of the Faculty of Physic.

MARYLAND LYING-IN ASYLUM.

This hospital was established by the College of Physicians and Surgeons in 1874. It is the pioneer institution of its kind in the State of Maryland and one of the first in the country.

THE WEST END MATERNITY.

The West End Maternity adjoins the Franklin Square Hospital and furnishes an abundance of clinical material, which is under the control of the Faculty of Physic.

OUT-PATIENT CLINIC AND DISPENSARY.

In connection with the University Hospital an out-door obstetrical clinic is conducted, in which every case has careful prenatal supervision, is attended during labor by a graduate physician and

graduate nurse—one senior student also being present—and is visited during the puerperium by the attending student and graduate nurse. Careful prenatal, labor and puerperal records are kept, making this work of extreme value to the medical student, not only from the obstetrical standpoint, but in making him appreciate the value of social service and public health work.

NUMBER OF PATIENTS.

During the year ending December 31, 1917, the number of patients treated in the Lying-In hospitals connected with the School was as follows:

Number of Confinements in Hospitals	1072
Number of Confinements Out-Patient Department	694
Average number of cases seen by each student of the graduating class	15

THE MUNICIPAL HOSPITALS—BAY VIEW.

The clinical advantages of the University have been largely increased by the liberal decision of the Board of Supervisors of City Charities to allow the immense material of these hospitals to be used for the purpose of medical education. There are daily visits and clinics in medicine and surgery by the Staff of the hospitals. The autopsy material is unsurpassed in this country in amount, thoroughness in study, and the use made of it in medical teaching.

The Municipal Hospitals consist of the following separate hospitals:

The General Hospital, 160 beds.

The Hospital for Chronic Cases, 88 beds.

The Municipal Hospital for Tuberculosis, 190 beds.

City Detention Hospital for Insane, 450 beds.

THE PRESBYTERIAN EAR, EYE AND THROAT CHARITY HOSPITAL.

This institution was founded in 1877, through the efforts of late Dr. J. J. Chisolm, then Professor of Diseases of the Eye and Ear in the University of Maryland. It is one of the largest special hospitals in the country.

During the year 1918 there were admitted to the Dispensary and Hospital 9905 persons.

The Dispensary and wards of this hospital afford ample facilities for the study of diseases of the eye, ear, nose and throat.

Professor Woods and Dr. Looper are members of the staff, and the clinics are at all times open to the students of the University of Maryland.

THE JAMES LAWRENCE KERNAN HOSPITAL AND INDUSTRIAL SCHOOL OF MARYLAND FOR CRIPPLED CHILDREN.

This institution contains seventy-five beds for the active treatment of deformities. It is situated at "Radnor Park," a colonial estate of sixty-five acres at Hillsdale, one mile from the western city limits, reached by trolley.

This institution has city, state, endowed and private beds and every modern facility for the treatment of orthopedic cases as well as a most beautiful park-like environment and farm, and is closely affiliated with the University of Maryland.

ST. VINCENT'S INFANT ASYLUM.

The facilities of this institution, containing 250 infants and children, have been kindly extended to the University of Maryland by the Sisters of Charity. This large clinic enables this school to present to its students liberal opportunities for the study of diseases of infants and children.

INSTITUTIONS FOR THE TREATMENT OF THE INSANE AND FEEBLE MINDED.

The Sheppard and Enoch Pratt Hospital for the Insane. This institution is one of the most modern hospitals for the treatment and care of the insane in this country. It is well endowed and its superintendent is Dr. Edward N. Brush, Professor of Psychiatry at the University of Maryland. In this hospital intensive treatment and study of mental diseases is carried on, a large number of the patients entering voluntarily. The students under the direction of Dr. Brush and his assistants in a series of clinics are shown the early manifestations and the various stages of mental diseases, the methods of treatment, and their effects.

Mount Hope Retreat for the Insane. This hospital contains an average of 750 patients and is attended by Dr. Chas. G. Hill, Professor of Psychiatry of this faculty. Under the direction of Dr. Hill and his assistants the students are given opportunity for the study of large groups of patients showing all phases of various mental and nervous disorders.

DISPENSARIES.

The three dispensaries associated with the University Hospital, the Mercy Hospital and the Maryland General Hospital are organized upon a uniform plan in order that the teaching may be the same in all. Each dispensary has the following departments: Medicine, Surgery, Children, Eye and Ear, Genito-Urinary, Gynecology, Gastro-Enterology, Neurology, Orthopedics, Proctology, Dermatology, Throat and Nose, and Tuberculosis.

All students in their junior year work in the departments of Medicine and Surgery each day in one of the dispensaries.

All students in their senior year work in the special departments one hour each day.

Some idea of the value of these dispensaries for clinical teaching is shown by the number of patients treated. For the year 1918 about forty-six thousand visits were made to the dispensaries.

In addition to these the Dental Department, situated upon the grounds of the University, conducts a daily clinic which is open to medical students.

University Hospital Dispensary Report, January 1, to December 31, 1918.
John Houff, M.D., Dispensary Physician.

	OLD CASES	NEW CASES	TOTAL
Eye and ear	1,820	1,099	2,919
Skin	1,136	1,371	2,507
Medicine	1,429	922	2,351
Obstetrics	1,450	883	2,333
Surgery	1,472	818	2,290
Children	910	636	1,546
Neurology	1,294	184	1,478
Gynecology	815	625	1,440
Genito-urinary	832	458	1,290
Stomach	455	120	575
Orthopedics	466	102	568
Nose and throat	197	364	561
Tuberculosis	292	163	455
Rectal	22	45	67
	12,590	7,790	20,380

Mercy Hospital Dispensary Report, January 1, to December 31, 1918. B. S. Hanna, M.D., Dispensary Physician

	NEW CASES	OLD CASES	TOTAL VISITS
Surgery	956	2,199	3,155
Genito-urinary	873	3,255	4,105
Stomach	417	1,129	1,546
Nose and throat	332	554	886
Skin	226	516	742
Diseases of women	360	573	933
Nervous diseases	185	376	561
General medicine	1,057	2,116	3,173
Children	241	351	592
Eye and ear	355	688	1,043
Orthopedic	95	213	308
	5,097	11,950	17,047

Maryland General Hospital Dispensary Report, March 1, 1917, to March 1, 1918. Emma N. Belbot, Ph.G., Registrar.

	NEW CASES	OLD CASES	TOTAL
Surgery	521	935	1,456
Medicine	452	885	1,337
Genito-urinary	422	840	1,262
Neurology	75	190	265
Eye and ear	531	980	1,511
Gynecology	414	554	956
Pediatrics	125	218	343
Skin	86	250	336
Nose and throat	172	248	420
Proctology	78	112	190
Stomach	183	175	558
	3,059	5,375	8,434

LABORATORIES.

ANATOMICAL LABORATORIES.

These laboratories are in charge of the Professor of Anatomy and his assistants. The University has recently built its own storage and embalming plant, which supplies an abundance of anatomical material. Dissecting tickets must be countersigned as evidence of satisfactory dissecting. Anatomical material is furnished in abundance, free of charge.

CHEMICAL LABORATORY.

The Chemical Laboratory is under the supervision of Dr. Simon, aided by the Demonstrators. Each student during his course has assigned him a table and is fully supplied with all necessary apparatus and chemicals.

LABORATORY OF EXPERIMENTAL PHYSIOLOGY.

This laboratory occupies the first floor of Gray Laboratory; it includes a large student laboratory, with capacity of forty students, a room completely equipped for mammalian experimentation, a stock-room, and an office for the professor in charge. Within the same building there is an animal room in which there is kept a constant supply of material for experimentation and demonstration. The laboratory is equipped with ample apparatus: there is a complete set of student apparatus available for each group of two students, while the special apparatus for laboratory experimentation and class-room demonstration is adequate for the needs of the courses.

LABORATORY OF PHYSIOLOGICAL CHEMISTRY.

The second year class is given practical instruction in the chemistry of the sugars and proteins as well as a detailed course in the chemistry of the various secretions. The experiments performed by each student are adapted to illustrate not only the physiological but also the pathological conditions which may result in various diseases from perverted metabolism. The chemistry of the food stuffs and its practical bearing upon diet is especially dwelt upon. The course is essentially practical, including only so much theoretical physiology as is necessary for proper knowledge of the subject. Graduates and advanced students competent to undertake such work, who desire to pursue special chemical investigation, are given the opportunity under suitable regulations.

LABORATORY OF HISTOLOGY AND EMBRYOLOGY.

This laboratory is fully equipped for teaching Histology and Embryology.

There is a large collection of charts, specimens and apparatus used in teaching. The necessary equipment for the practice of technique is provided.

LABORATORIES OF PATHOLOGY AND BACTERIOLOGY.

The subject of special bacteriology is taught during a portion of the second year in a well equipped laboratory containing sterilizers, water baths, and other necessary equipment for this purpose.

The subject of histopathology is also taught during the second year in a properly equipped laboratory. The details concerning this work are described under the subject of Department of Pathology and Bacteriology.

The instruction in gross pathology is obtained during the third year by attendance upon the autopsies at the University Hospital, the Mercy Hospital, and the Maryland General Hospital, and special instruction in this subject is also given by demonstrations with a large amount of pathological material at the City Hospitals situated at Bay View. The subject of gross pathology is also taught in the third year by means of lectures and demonstrations to sections of the third year class and a special effort is made to apply this subject to the explanation of the symptoms and clinical signs of disease. The instruction in autospy technique is also given personally to small groups of students.

LABORATORIES OF CLINICAL PATHOLOGY.

These laboratories are fully equipped for the study of practical laboratory work in its relationship to clinical medicine. Each student is supplied with a locker, containing sufficient apparatus for any ordinary examination.

The wards and out-patient departments of the hospitals furnish an abundance of material for study.

By reason of individual equipment, much work outside of class hours is expected of the student.

The class rooms are adequately lighted, and are conveniently situated for teaching purposes.

LIBRARIES.

The University Library, founded in 1813 by the purchase of the collection of Dr. John Crawford, now contains 13,950 volumes, a file of 48 current journals, and several thousand pamphlets and reprints. During the year ending December 31, 1917, 250 volumes were added. It is well stocked with recent literature, including books

and periodicals of general interest. The home of the Library is Davidge Hall, a comfortable and commodious building in close proximity to the class rooms and the laboratories of the Medical Department. The Library is open daily during the year, except in August, for use of members of the Faculty, the students, and the profession generally.

Other libraries of Baltimore are the Peabody (181,000 volumes), the Enoch Pratt Free Library (355,817 volumes) and the Library of the Medical and Chirurgical Faculty. The last named library receives the leading medical publications of the world, and complete sets of many journals are available.

The libraries are open to students of the Medical School without charge.

The proximity of Washington puts the immense libraries of the national capital at the disposal of students of this school.

THE MUSEUM.

The museum occupies a separate apartment in the main building. It is under the care of the curator and his assistants. It contains a large collection of anatomical preparations, plaster casts, charts, models, etc., used in teaching anatomy. It contains also a number of specimens of comparative anatomy. There is a large collection of gross pathological specimens and cut sections mounted for demonstration. For the department of obstetrics, there is an excellent collection of normal and abnormal human embryos.

PUBLICATIONS.

Two journals are published by the University. *The University Gazette* is devoted to the interests of the entire University and is published under the auspices of the General Alumni Association. *The Bulletin of the University of Maryland School of Medicine and College of Physicians and Surgeons* is the publication of the Medical School. Dr. Nathan Winslow is editor.

ANNUAL APPOINTMENTS.

On February first of each session the following annual appointments are made from among the graduates of the school.

TO THE UNIVERSITY HOSPITAL

Medical Superintendent.
Five Senior Residents, viz:
  Two Resident Surgeons.
  One Resident Physician.
  One Resident Gynecologist and Obstetrician.
  One Resident Pathologist.
Thirteen Junior Residents on a rotating service.

A number of students are appointed each year, at the close of the session, as Clinical Assistants in the University Hospital for the summer months.

TO THE MERCY HOSPITAL.

Medical Superintendent.
Six Resident Surgeons.
Five Resident Physicians.
One Resident Gynecologist.
One Resident Obstetrician.
Two Accident Service Residents.
One Ambulance Surgeon.

TO THE MARYLAND GENERAL HOSPITAL.

Medical Superintendent.
Four Senior Residents, viz:
  One Resident Surgeon.
  One Resident Physician.
  One Resident Gynecologist.
  One Resident Obstetrician.
Eight Junior Residents on a rotating service.

Each resident serves a term in every department, including the pathological laboratory and the Maryland Lying-In Hospital.

Many appointments to other hospitals of Baltimore are made annually, to which graduates of this school are eligible.

REQUIREMENTS FOR MATRICULATION.

Admission to the course in medicine is by a completed Medical Student Certificate issued by the State Department of Education of Maryland. This certificate is obtained from the Department of Education on the basis of satisfactory credentials, or by examination and credentials, and is essential for admission to any class.

The requirements for the issuance of the Medical Student Certificate are:

(a) The completion of a standard four-year high school course or the equivalent, and in addition,

(b) Two years or sixty semester hours of college credits, including chemistry, biology, physics, English and one other modern language, either German, French, Spanish or Italian.

Women are admitted to the Medical Department of this University.

(A) DETAILS OF THE HIGH SCHOOL REQUIREMENT.

1. Graduation from an accredited high school after pursuing a four-year course based upon an eight-year elementary course or its full equivalent; or

2. Successfully passing entrance examinations in the following subjects:

(a) Required Eleven (11) Units

	Units
English 4 years	3
Elementary and Intermediate Algebra	1
Plane Geometry (first five books)	1
Two years of a foreign language	2
Two of the three sciences—Biology, Chemistry, Physics	2
American History and Civics	1
Ancient History or English History	1

(b) Electives, Four (4) Units

(1) History and Political Science:	
Ancient History or English History	1
Mediaeval and Modern History	1 or ½
General History	1 or ½
Civics	½
Economics	½

(2) Language:

French 2 years	2
German 2 years	2
Greek 2 years	2
Hebrew 2 years	2
Italian 2 years	2
Latin 1 or 2 years	1 or 2
Spanish 2 years	2

(3) Mathematics:

Advanced Arithmetic	½
Advanced Algebra	1
Plane Trigonometry	½
Solid Geometry	½

(4) Science:

Physics, Biology or Chemistry	1
Physical Geography and Geology	1
Astronomy	½
Physiology and Hygiene	½

(5) Vocational and cultural subjects:

Agriculture	1
Bookkeeping	1
Commercial Geography	½
Domestic Science	1
Drawing { Mechanical 1 and 2	½ each
Drawing { Freehand 1 and 2	½ each
Manual Training	1
Music	1
Stenography	1 or 2

One unit in any subject is the equivalent of work in that subject for five periods per week for a year of at least thirty-six weeks, periods to be not less than forty-five minutes in length. One unit is equivalent to 2 semester credits or 2 points.

(B) DETAILS OF THE COLLEGE REQUIREMENT.

a. The preliminary college course shall extend through two college sessions of at least thirty-two weeks each of actual instruction, including final examinations.

b. In excellence of teaching and in content, the work of this preliminary college course shall be equal to the work done in the freshman and sophomore years in standard colleges and universities.

c. This preliminary college course shall include courses in physics, chemistry, biology, English, and one of the following modern languages: French, German, Spanish, or Italian, each course to embrace at least six, eight or twelve hours of work in each subject, as shown in the schedule following.

SCHEDULE OF SUBJECTS OF THE TWO-YEAR PRE-MEDICAL COLLEGE COURSE.

Sixty Semester Hours Required

	Semester Hours
Required Courses:	
Chemistry (a)	12
Physics (b)	8
Biology (c)	8
English Composition and Literature (d)	6
One of the following: French, German, Spanish, or Italian (e)	6 or 8
Courses Strongly Urged:	
Comparative vertebrate anatomy	
Psychology	
Social science	

A semester hour is the credit value of sixteen weeks' work consisting of one lecture or recitation period per week, each period to be of not less than fifty minutes' duration net, at least two hours of laboratory work to be considered as the equivalent of one lecture or recitation period.

(a) Chemistry. Twelve semester hours required (eight until January 1, 1920), of which at least eight semester hours must be in general inorganic chemistry, including four semester hours of laboratory work. In the interpretation of this rule, work in qualitative analysis may be counted as general inorganic chemistry. The remaining four semester hours required after January 1, 1920, shall consist of work in organic chemistry.

(b) Physics. Eight semester hours required, of which at least two must be laboratory work. This course presupposes a knowledge of plane trigonometry.

(c) Biology. Eight semester hours required, of which four must be laboratory work. This requirement may be satisfied by a course of eight semester hours in either general biology or zoology, or by courses of four semester hours each in zoology and botany, but not by botany alone.

(d) English Composition and Literature. The usual introductory college course of six semester hours, or its equivalent, is required.

(e) French, German, Spanish, or Italian. Six semester hours in one of these languages, if preceded by two years of high school work in the subject; eight semester hours required if not preceded by two years of high school work in the language.

POST-GRADUATE STUDENTS.

Graduates in medicine desiring to take the work of the senior year without being candidates for the degree and, therefore, without examination, may receive a certificate of attendance on completing the full course satisfactorily.

The requirements for graduates in medicine admitted to the fourth year class as candidates for the degree of Doctor of Medicine are the same as those enforced against undergraduates admitted to advanced standing.

COMBINED COURSE IN ARTS AND MEDICINE.

St. John's College, Annapolis, Md., founded in 1696, is by contract of affiliation styled and recognized as the Department of Arts and Sciences of the University of Maryland.

Students who have completed the Junior Year in St. John's College and who have made an approved choice of electives may, if they desire it, do the entire work of the Senior Year in the Medical School of the University. If they successfully complete the work of the first medical year, they are graduated with their class with the degree of A.B. from St. John's College.

By taking advantage of this privilege a man may complete the Undergraduate and Medical courses in seven years.

During three of these years or until he has completed the work of the Junior class he is a resident student in St. John's College and for four years he is a student in the Medical School in Baltimore.

At the end of the fourth year he receives the A.B. degree, and at the end of the seventh year the M.D. degree but credit from the Medical School cannot be accepted in subjects for which credit has already been given in the College of Liberal Arts.

In order to meet the increased requirements for matriculation taking effect January 1, 1918, a special Pre-Medical Course in Chemistry, Physics, Biology, English, Mathematics, and French or German is now offered in St. John's College.

RULES.

1. Tickets for practical anatomy must be countersigned by the proper demonstrators. Unless properly countersigned, a ticket will not be accepted as evidence of a completed course.

2. All students are required to stand the spring examinations unless excused by the Dean. No student will be permitted to advance from a lower to a higher class with conditions.

3. Should a student be required to repeat any year in the course he must pay regular fees.

4. A student failing in final examination for graduation at the end of the fourth year will be required to repeat the entire course of the fourth year and to take examinations in such other branches as may be required, should he be again permitted to enter the school as a candidate for graduation.

5. The general fitness of a candidate for graduation will be taken into consideration by the Faculty as well as the results of his final examination.

All the above rules, as well as the fees stated below, relate to the year ending June 1, 1920, only. The right is reserved to make changes in the curriculum, requirements for graduation, fees and all the regulations whenever the Faculty deem it expedient.

FEES.

Matriculation fee (paid each year)	$5.00
Tuition fee (each year)	200.00

There will be no extra fees. No fees are returnable.

Tuition fees are due and payable during October.

The above fees apply to all students who matriculate in this institution in any class for the session beginning October 1, 1919.

SPECIAL COURSES.

Anatomy	$50.00
Physiology	50.00
Pathology	50.00
Embryology	50.00
Bacteriology	50.00
Physiological Chemistry	50.00
Pharmacology	50.00
Clinical Laboratory (four months)	100.00
X-Ray (four months)	100.00
Orthopedic Surgery (four months)	100.00
Genito-Urinary Diseases (four months)	100.00
Gynecology and Gynecological Pathology	100.00–150.00

Obstetrics, Out-door	6 weeks	$25.00
	4 months	50.00
Out-Door and In-Door	6 weeks	50.00
	4 months	100.00
Surgery (Clinical Surgery, Operative Surgery, Surgical Pathology)		By arrangement
Medicine		By arrangement

If the courses are taken during holidays or if special supervision is desired or additional material required, the charge is made accordingly.

FACULTY PRIZE.

To stimulate study among the candidates for graduation, the Faculty offers a Gold Medal to the candidate who passes the best general examination. Certificates of Honor are awarded to the five candidates standing next highest.

SCHOLARSHIPS.

A prize of $50.00 is given each year by Mrs. Jose L. Hirsch as a memorial to the late Jose L. Hirsch, formerly Professor of Pathology in this school, to the student in the third year who has done the most satisfactory work in Pathology.

The Dr. Samuel Leon Frank Scholarship.

This scholarship, established by Mrs. Bertha Rayner Frank as a memorial of the late Dr. Samuel Leon Frank, an alumnus of this University, entitles the holder to exemption from the payment of the tuition fee of that year.

It is awarded by the Trustees of the Endowment Fund of the University in each year upon nomination of the Faculty of Physic, "to a medical student of the University of Maryland, who, in the judgment of said Faculty, is of good character and in need of pecuniary assistance to continue his medical course."

This scholarship is awarded to a second, third or fourth year student only, who has successfully completed one year's work in the medical course, and no student may hold such scholarship for more than two years.

The Charles M. Hitchcock Scholarships.

From a bequest to the School of Medicine by the late Charles M. Hitchcock, M.D., an alumnus of the University, two scholarships have been established which entitle the holders to exemption from payment of tuition fees for the year.

These scholarships are awarded annually by the Faculty of Physic to students who have meritoriously completed the work of at least the first year of the course in medicine, and who present to the Faculty satisfactory evidence of good moral character and of inability to continue the course without pecuniary assistance.

The Randolph Winslow Scholarship.

This scholarship, established by Prof. Randolph Winslow, M.D., LL.D., entitles the holder to exemption from the payment of the tuition fee of that year.

It is awarded annually by the Trustees of the Endowment Fund of the University, upon nomination of the Faculty of Physic, to "a needy student of the Senior, Junior, or Sophomore Class of the Medical School.

"He must have maintained an average grade of 85% in all his work up to the time of awarding the scholarship.

"He must be a person of good character and must satisfy the Faculty of Physic that he is worthy of and in need of assistance."

The University Scholarships.

This scholarship, which entitles the holder to exemption from payment of the tuition fee of the year, is awarded annually by the Faculty of Physic to a student of the Senior Class who presents to the Faculty satisfactory evidence that he is of good moral character and is worthy of and in need of assistance to complete the course.

The St. John's Scholarship.

This scholarship is awarded annually by the Faculty of Physic upon the nomination of the President of St. John's College.

It entitles the holder to exemption from the payment of the tuition fee of that year.

NOTICE TO STUDENTS.

The personal expenses of students are at least as low in Baltimore as in any large city in the United States. The following estimates of student's personal expenses for the academic year of eight months have been prepared by students, and are based upon actual experience:

ITEMS	LOW	AVERAGE	LIBERAL
Books	$ 18	$ 32	$ 50
College Incidentals		15	20
Board, eight months	112	128	144
Room rent	48	65	80
Clothing and washing	35	50	100
All other expenses	10	20	75
Total	$223	$310	$469

Students will save time and expense upon their arrival in the city by going direct to the School of Medicine on the University grounds, N. E. corner of Lombard and Greene Streets, where the Superintendent of Buildings, who may be found at his office on the premises, will furnish them with a list of comfortable and convenient boarding houses suitable to their means and wishes.

The Dean will, if desired, attend to the collection of checks and drafts for students.

For further information apply to

J. M. H. Rowland, M.D., *Dean*,
Lombard and Greene Streets.

ORGANIZATION OF THE CURRICULUM

The following curriculum is the result of a recent and thorough revision of teaching in this school in order to meet modern requirements. The multiplication of specialties in medicine and surgery necessitates a very crowded course and the introduction of electives will very soon be depended on to solve some of the difficulties.

The curriculum is organized under eleven departments

1. Anatomy (including Histology and Embryology).
2. Physiology.
3. Chemistry including Physiological Chemistry.

4. Materia Medica and Pharmacology.
5. Pathology.
6. Bacteriology.
7. Medicine (including Medical Specialties).
8. Surgery (including Surgical Specialties).
9. Obstetrics.
10. Gynecology.
11. Ophthalmology and Otology.

The instruction is given in four years of graded work.

Several courses of study extend through two years or more, but in no case are the students of different years thrown together in the same course of teaching.

The first and second years are devoted largely to the study of the structures and functions of the normal body, and laboratory work occupies most of the student's time during these two years.

Some introductory instruction in Medicine and Surgery is given in the second year. The third and fourth years are almost entirely clinical.

A special feature of instruction in the school is the attempt to bring together teacher and student in close personal relationship. In many courses of instruction the classes are divided into small groups and a large number of teachers insures attention to the needs of each student.

In many courses the final examination as the sole test of proficiency has disappeared and the student's final grade is determined largely by partial examinations, recitations and assigned work carried on throughout the course.

ARRANGEMENT OF CLASSES.

All the teaching of the freshman class is done at Calvert and Saratoga Streets. All the teaching of the sophomore class is done at Lombard and Greene Streets.

The junior class has three hours of didactic teaching each morning. For clinical instruction and laboratory work this class is divided into two sections and the year into semesters. Each section will work for one semester at the University Hospital and one semester at Mercy Hospital.

The senior class is divided into three sections and for this class the year is divided into trimesters. Each section receives clinical

instruction for one trimester in the University Hospital, the Mercy Hospital and the Maryland General Hospital. In the afternoon the whole class is assembled and has two hours of didactic teaching each day.

This distribution of the classes is made in order to utilize to the best advantage the laboratory space and to bring the students into daily contact with patients in all three of the large hospitals and dispensaries.

DEPARTMENT OF ANATOMY INCLUDING HISTOLOGY AND EMBRYOLOGY.

..... Professor of Anatomy
Tilghman B. Marden, A.B., M.D.
Professor of Histology and Embryology and Assistant in Anatomy
J. W. Holland, M.D.....Associate Professor of Anatomy
F. L. Jennings, M.D.....Assistant in Anatomy
Wm. S. Toulson, M.S., M.D.....Assistant in Anatomy

First Year. Didactic. Three hours each week for thirty-two weeks. This consists of lectures, recitations and conferences.

This course embraces the integuments, myology, angiology, osteology, syndesmology and the peripheral nerves.

Laboratory. Ten hours each week for thirty-two weeks. Abundance of good material is furnished and the student is aided in his work by competent demonstrators. Examinations are held at regular intervals throughout the session, and each student will be held to strict account for material furnished him.

Osteology. Two hours each week for thirty-two weeks. Lectures, demonstrations, and recitations. Each student is furnished a skeleton and a deposit is required to insure its return at the end of the session.

Second Year. *Didactic.* Three hours each week for thirty-two weeks. Lectures, recitations and conferences.

Laboratory. Ten hours each week for sixteen weeks. This course includes topographical and applied anatomy of the body cavities and viscera and the cerebro-spinal and sympathetic nervous systems with special demonstrations of important subjects to the class in small sections.

The teaching of anatomy is illustrated by means of charts, diagrams, special dissections and the projection apparatus.

Histology.

First Year. Lectures, recitations and laboratory work, nine hours each week during first semester, three hours each week during second semester. The most important part of the work will be done in the laboratory, where each student will be provided with a microscope, apparatus, staining fluids and material necessary for the preparation of specimens for microscopical examination. An important aid to the course is the projection microscope which is used for the projection upon a screen of magnified images of the specimens actually used in the laboratory.

Embryology.

Lectures, recitations and laboratory work; six hours each week during the second semester.

This course includes the study of the development of the chick, and the fundamental principles of mammalian embryology. In the laboratory, the hen's egg will be studied in its various stages of development, and sections of the chick at different periods of incubation will be made and studied microscopically. The latter part of the course will be devoted to the study of sections through different regions of a mammal.

DEPARTMENT OF PHYSIOLOGY.

Bartgis McGlone, A.B., Ph.D.....Professor of Physiology
Charles C. Conser, M.D.....Associate Professor of Physiology

The course in Physiology extends throughout the First and Second Years. It consists of a series of lectures, covering the field of human physiology, laboratory work, demonstrations, and frequent recitations. It is constantly in the mind of the department that this course is introductory to the study of medicine. The recitations cover the subject-matter of the lectures and the experiments performed in the laboratory.

First Year. 1. This course includes lectures and recitations upon the physiology of the blood and circulation, respiration, muscle and nerve, a portion of the central nervous system, and special senses, and such chemical and physical facts as are necessary for a proper understanding of the physiology taught. Two lectures and a recitation weekly throughout the year. Dr. McGlone

SECOND YEAR. 2. *Didactic instruction.* During this year the remaining topics of physiology are covered by lectures and demonstrations. As in the first year frequent recitations will be held. The subject-matter includes the physiology of digestion and secretion, nutrition, metabolism, internal secretion, and the cranial central nervous system. Lectures, demonstrations, and recitations, three hours per week. Dr. McGlone, assisted by Dr. Conser.

3. *Experimental Physiology.* This is a laboratory course in the dynamics of muscle and nerve, studies in circulation and respiration, and physiology of the special senses. Apart from the acquisition of the facts of physiology, the student is taught to observe accurately, record carefully the results of his observations, and from these results draw an independent conclusion. He is also trained in the use of instruments which are of value to him in his clinical years. Three hours weekly throughout the year. Drs. McGlone and Conser.

4. *Special Mammalian Physiology.* This is a laboratory course intended for advanced Laboratory students (optional) who may wish to do special work in this line of physiology. Hours to be arranged. Dr. McGlone.

5. *Research in Physiology.* Properly qualified students will be admitted to the laboratory, which is well-adapted for post-graduate study and special research. Hours will be arranged to suit individuals. Dr. McGlone.

DEPARTMENT OF MATERIA MEDICA AND PHARMACOLOGY.

RALPH E. MYERS, M.A., M.D. ..... Professor of Pharmacology
H. L. SINSKEY, M.D. ..... Associate in Materia Medica

FIRST YEAR. Two hours per week throughout the session, didactic lectures on Materia Medica.

A laboratory course in Pharmacy and prescription writing, two hours per week. Dr. Sinsky.

SECOND YEAR. Two hours per week throughout the session on Pharmacology.

A laboratory course of two hours per week throughout the session, on the physiological and toxicological action of the more important drugs.

DEPARTMENT OF PATHOLOGY.

Standish McCleary, M.D..... Professor of Pathology
Hugh R. Spencer, M.D..... Professor of Pathology
Frank W. Hachtel, M.D.....Associate in Pathology and Bacteriology
C. A. Laubach, M.D..... Associate in Pathology
Wm. Carson Van Glahn, M.D..... Assistant in Pathology

Courses of instruction in pathology are given during the second, third and fourth years. The courses are based on previous study of normal structures and functions and aim to outline the natural history of disease. The instruction is made as practical as possible that the student may become familiar with the appearance of organs and tissues in disease and may be able to correlate anatomical lesions with clinical symptoms and signs.

1. General Pathology and Histo-pathology. This course is given to second year students, it includes the study and demonstration of disturbances of the body fluids, disturbances of structure, nutrition and metabolism of cells, disturbances of fat, carbohydrate and protein metabolism, disturbances in pigment metabolism, inflammation and tumors. The laboratory course consists in a daily preliminary lecture, after which the student is given microscopical sections for study. Gross material from autopsy and from the museum is demonstrated in conjunction with the microscopical study.

2. Special Pathology and Gross Morbid Anatomy. Third year students: In this course the special relationship of the gross and microscopical lesions to clinical symptoms and signs are emphasized. Fresh material from autopsy collected at the various hospitals, is demonstrated and supplemented by a study of the respective autopsy protocols.

Special stress is laid upon the study of the infectious diseases and where possible the causative agents are studied.

3. Autopsies. Third year. Autopsy technic is taught to small groups of students by special instruction at autopsies performed at the various hospitals. Students are required to assist at the autopsy, study the organs, examine the microscopical sections, make cultures and prepare autopsy protocols.

4. Clinical Pathological Conference. Fourth year. Material from autopsies is studied with reference to the clinical history and gross and microscopical anatomy, the course is illustrated with sections of fixed material or lantern slides.

5. Advanced Work in Pathology. Properly qualified students will be permitted to carry out advanced or research work along the lines of experimental pathology. Adequate space and equipment is available.

DEPARTMENT OF BACTERIOLOGY.

Wm. Royal Stokes, M.D., Sc.D..... Professor of Bacteriology
Frank W. Hachtel, M.D..... Associate in Bacteriology

Instruction in special bacteriology is given in the laboratory to the students of the second year during one semester. This includes the various methods of sterilization and preparation of culture material, the study of pathogenic microörganisms of vegetable origin, and the bacteriological study of water, milk, sewage, and other such materials. The bacteriological diagnosis of the infectious diseases is also included in this course. Animal inoculations and autopsies are performed in connection with the bacteria studied and diagnoses by means of serum reactions are also given. In the third year the various animal parasites are demonstrated and the diseases produced by these organisms studied by means of gross specimens, stained sections and lantern slides. The principles of general pathology are taught in didactic lectures given once a week throughout the entire year, and these lectures include the structure of bacteria, the various facts concerning their biological properties, infection and immunity.

DEPARTMENT OF PHYSIOLOGICAL CHEMISTRY.

H. Boyd Wylie, M.D.,..... Professor of Physiological Chemistry
Tilghman B. Marden, A.B., M.D..... Associate Professor of Chemistry

The course in Physiological Chemistry comprises laboratory work, special laboratory demonstrations, lectures and discussions of extracts prepared by students, from current literature.

Laboratory Work. The regular class work in the laboratory is carried on in two sections, throughout the year, each section spending Tuesday or Thursday morning from 9-12 in the laboratory.

During these first periods, study is directed to the chemistry of proteins, carbohydrates, fats and extractives. Later these substances are subjected to the action of enzymes, and such hydro-

lytic products capable of production in the laboratory, are studied. Following this work, the main tissues of the body, along with its chief secretions and excretions, are investigated. The former, briefly; the latter, more thoroughly; a great deal of attention being given to the quantitative estimations of blood, urine, feces and stomach, contents.

Special Laboratory Demonstrations. These special demonstrations take place three afternoons a week, during the second semester. A group of six or eight men are assigned to the execution of the more complicated tests on blood, urine, gastric contents and feces. In this work, emphasis is laid on those tests which bear more or less on pathological conditions.

Ample opportunity is afforded, in this afternoon work, for experimentation with new methods and for research work.

Lectures. The lectures are given in one hour periods, for three days a week. They are designed to furnish the student with a clear understanding of the practical work, and at the same time, to supply the theoretical material necessary to complete a well-rounded course. Wherever of practical benefit to the student, the abnormal as well as the physiological aspects of the subject under discussion, are always considered.

Extracts of Current Literature by Students. This department was instituted to stimulate the student's interest in the concurrent literature associated with this subject.

Periodically, during the year, students are appointed to present to the class, extracts of articles of special interest from a physiological chemical standpoint. The paper thus presented is discussed by other students, previously appointed for the purpose.

MEDICAL JURISPRUDENCE.

Second Year. One hour each week for entire session.

Medical Jurisprudence. This course embraces consideration of medical evidence and testimony, confidential communications, malpractice, indications of death, pregnancy, delivery, infanticide and insanity.

CLINICAL INSTRUCTION.

DEPARTMENT OF SURGERY.

RANDOLPH WINSLOW, A.M., M.D. LL.D.....Professor of Surgery
ARTHUR M. SHIPLEY, M.D.....Professor of Surgery
RIDGELY B. WARFIELD, M.D.....Professor of Surgery
ARCHIBALD C. HARRISON, M.D.....Professor of Surgery
ALEXIUS MCGLANNAN, A.M., M.D.
Professor of Clinical Surgery and Surgical Pathology
FRANK MARTIN, B.S., M.D.....Professor of Clinical and Operative Surgery
J. D. BLAKE, M.D.....Professor of Clinical Surgery
JOSEPH H. BRANHAM, M.D.....Professor of Clinical Surgery
NATHAN WINSLOW, A.M., M.D.....Clinical Professor of Surgery
WALTER D. WISE, M.D.....Clinical Professor of Surgery
JOSEPH W. HOLLAND, M.D.....Clinical Professor of Surgery
WILLIAM W. REQUARDT, M.D.....Associate Professor of Surgery
J. C. LUMPKIN, M.D.....Associate Professor of Clinical Surgery
H. C. BLAKE, M.D.....Associate Professor of Clinical Surgery
ROBERT P. BAY, M.D.....Associate Professor of Clinical Surgery
FRANK S. LYNN, M.D.....Associate Professor of Surgery
ELLIOTT H. HUTCHINS, A.M., M.D.....Associate Professor of Surgery
THOMAS R. CHAMBERS, A.B., M.D.....Associate Professor of Surgery
HARVEY B. STONE, A.B., M.D.....Associate Professor of Surgery
R. W. LOCHER, M.D...Associate Professor of Operative and Clinical Surgery
ARTHUR G. BARRETT, M.D.....Associate in Surgery
FRANK J. KIRBY, M.D.....Associate in Surgery
F. L. JENNINGS, M.D.....Instructor in Surgery
A. M. EVANS, M.D.....Instructor in Surgery
E. P. SMITH, M.D.....Instructor in Operative Surgery
CHARLES REID EDWARDS, M.D.....Assistant in Surgery
F. S. KEARNEY, M.D.....Assistant in Surgery
G. W. BOWDEN, M.D.....Assistant in Surgery

The course in surgery is progressive, and aims to ground the student firmly in the principles of surgical science in order that later he may be prepared to build upon a firm foundation the superstructure of surgical art.

SECOND YEAR. During this year a practical course of bandaging is given upon the mannikin; the student being required to apply personally the various forms of bandages to the different parts of the body.

THIRD YEAR. Surgical Pathology and Principles of Surgery. Lectures, recitations and clinics, three hours weekly. Drs. Shipley and Warfield.

The class is divided in sections and receives instruction in history taking, gross surgical pathology and surgical diagnosis at the bedside and in the dead house in the City Hospitals at Bay View. Drs. Shipley and Lynn.

Operative Surgery. Instruction is given in operative surgery upon the cadaver and on dogs. The class is divided into sections and each section is given practical and individual work under the supervision of the instructors.

This course begins with the study of the general principles of operative surgery, anaesthesia, asepsis, antisepsis, description of instruments and sutures, etc.

The various operations are first described and demonstrated by the instructor, and the student afterward practices them upon the subject.

The entire subject of operative surgery is fully covered. Dr. Martin and assistants.

The class will be divided into small sections for Dispensary service in the University and Mercy Hospitals.

FOURTH YEAR. *Fractures and Dislocations.* Illustrated by charts drawings, specimens, X-ray demonstrations, lantern slides, and the balopticon, two hours a week for the first semester. Dr. Winslow.

Surgery of the Blood Vascular System, Hernia, Surgery of the Scrotum and its contents, one hour a week for the first semester. Dr. Warfield. At the end of this semester an examination will be given.

Surgery of the Thorax and Thoracic Wall, the Abdominal Cavity, and of the Head, Neck, and Spinal Cord, two hours a week for the second semester. Dr. Harrison.

Surgical Clinics. Surgical clinics will be given at the University, Mercy, and Maryland General Hospitals, weekly, to one third of the class in each hospital. Drs. Winslow, Warfield, Harrison, and McGlannan.

The class is divided into sections for ward instruction in surgery, for instruction in operative surgery and surgical diagnosis, and the post-operative treatment of surgical conditions six days a week for two hours each day in each of the three hospitals. Drs. Winslow, Shipley, Warfield, Harrison, Martin and McGlannan.

ANAESTHESIA.

S. Griffith Davis, M.D.....Associate Professor of Anaesthesia
Samuel W. Moore, D.D.S.....Associate in Anaesthesia
A. M. Evans, M.D.....Instructor in Anaesthesia
W. G. Queen, M.D.....Instructor in Anaesthesia

The administration of anaesthetics is taught didactically and practically and students are required to administer anaesthetics under the direction of an instructor.

DERMATOLOGY.

T. Caspar Gilchrist, M.R.C.S., L.S.A., M.D.....Professor of Dermatology
Melvin Rosenthal, M.D.....Associate Professor of Dermatology
John R. Abercrombie, A.B., J.D.....Associate Professor of Dermatology
Harry M. Robinson, M.D.....Associate in Dermatology

Clinical conference one hour each week to entire class. This course will consist of demonstrations of the common diseases of the skin. Dr. Gilchrist.

Dispensary instruction, University Hospital, Mondays, Wednesdays and Fridays in the diagnosis and treatment of the common skin diseases, Dr. Abercrombie. Dispensary instruction, Mercy Hospital, Dr. Rosenthal.

ORTHOPEDIC SURGERY.

R. Tunstall Taylor, A.B., M.D.....Professor of Orthopedic Surgery
Albertus Cotton, A.M., M.D.....Professor of Orthopedic Surgery
Compton Riely, M.D.....Clinical Professor of Orthopedic Surgery
Sydney M. Cone, A.B., M.D.....Clinical Professor of Orthopedic Surgery
Henry J. Walton, M.D.....Professor of Roentgenology
W. H. Daniels, M.D.....Demonstrator in Orthopedic Surgery
John Evans, M.D.....Associate in Roentgenology

In this course didactic, clinical, bed-side and out-patient instruction will be given. This instruction is provided in the University Hospital Amphitheater and Dispensary, Maryland General and Mercy Hospitals and Dispensaries, Kernan Hospital and Industrial School for Crippled Children at "Radnor Park," and in the Dispensary of same at 2000 North Charles Street.

The senior class will be divided into three parts, each section spending one trimester in the University, Mercy and Maryland General Hospitals in rotation; and by the avoidance of duplication, the subject will be adequately covered. Lectures, clinics and quizzes

will be held at each of the three hospitals once a week. In addition, a weekly bed-side clinic will be held on Saturdays for small sections of the class at "Radnor Park."

The course will cover instruction in special methods and instruments required in this surgical specialty, including X-Ray technique; Wolff's law; tuberculosis of bones and joints; deformities of the feet; non-tuberculous deformities of the feet and joints; the paralyses; the bursal, tendinous and muscular conditions producing orthopedic affections; rickets; scurvy; osteomalacia; chondrodystrophies; wry-neck and the use and application of orthopedic apparatus.

DISEASES OF THE THROAT AND NOSE.

Samuel K. Merrick, M.D.....Professor of Diseases of the Throat and Nose
John R. Winslow, A.B., M.D....Professor of Diseases of the Throat and Nose
Frank Dyer Sanger, M.D.....Professor of Diseases of the Throat and Nose
George W. Mitchell, M.D.
Associate Professor of Diseases of the Throat and Nose
George Murgatroyd, M.D.....Associate in Diseases of the Throat and Nose
William Caspari, M.D.....Associate in Diseases of the Throat and Nose

Third Year. Clinical Lectures. One hour each week throughout the session. Drs. Merrick, John R. Winslow, and Sanger.

Fourth Year. Dispensary instruction daily in small sections at the University, Maryland General, and Mercy Hospitals. Ward classes one hour each week at the University, Maryland General and Mercy Hospitals.

GENITO-URINARY DISEASES.

Gideon Timberlake, M.D.....Professor of Genito-Urinary Diseases
Anton G. Rytina, A.B., M.D.....Professor of Genito-Urinary Diseases
Page Edmunds, M.D.....Clinical Professor of Genito-Urinary Diseases
A. J. Underhill, A.B , M D. ..Clinical Professor of Genito-Urinary Diseases
W. B. Wolf, M.D.....Associate Professor of Genito-Urinary Diseases

The course, which is entirely clinical, is taught chiefly by personal instruction in the dispensaries of the University, Mercy, and Maryland General Hospitals, one trimester being spent at each hospital. The student assumes the responsibility of certain cases under the supervision of instructors.

The course includes the diagnosis, pathology and treatment of venereal diseases and syphilis together with a careful study of the less common genito-urinary diseases. The course includes instruc-

tion in urinalysis, in endoscopic and cystoscopic examinations and the use of other instruments for the diagnosis and treatment of genito-urinary diseases. Many minor operations are performed in the out-patient department by students under the supervision of the chiefs of clinic.

DISEASES OF THE COLON AND RECTUM.

G. Milton Linthicum, A.M., M.D.
Professor of Diseases of Rectum and Colon
Charles F. Blake, M.D.....Professor of Diseases of Rectum and Colon
J. Dawson Reeder, M.D.
Associate Professor of Diseases of Rectum and Colon
Ernest G. Marr, M.D.....Instructor in Diseases of Rectum and Colon

Fourth Year. This course is for instruction in diseases of the Colon, Sigmoid Flexure, Rectum and Anus.

One lecture a week throughout the year will be given in the Clinical Amphitheater of the Hospitals. The lecture will cover the essential features of the Anatomy and Physiology of the large intestine; as well as the various diseases to which it is subject. The importance of diseased conditions and malpositions of the intestines, in relation to systemic disturbances, will be emphasized by demonstrations.

In small groups, the students will be taken into the wards and dispensaries of the University, Mercy, and Maryland General Hospitals, where different phases of the various diseases will be taught by direct observation and examination. The use of the proctoscope and sigmoidoscope in examination of the rectum and sigmoid will be made familiar to each student.

A course in Proctoscopy will be given in the City Hospitals at Bay View, where abundance of material is always obtainable.

DEPARTMENT OF MEDICINE.

Gordon Wilson, M.D.
Cary B. Gamble, Jr., A.M., M.D.
Julius Friedenwald, A.M., M.D.
Chas. G. Hill, A.M., M.D.
Joseph E. Gichner, M.D.
Irving J Spear, M.D.
Edward N. Brush, M.D.
John Ruhrah, M.D.
Andrew C. Gillis, A.M., M.D.
John C. Hemmeter, M.D., Ph.D., Sc.D., LL.D.
William F. Lockwood, M.D.
Chas. O'Donovan, A.M., M.D.
Standish McCleary, M.D., LL.D.
Chas. W. McElfresh, M.D.
C. Hampson Jones, M.B., C.M., M.D.
G. Carroll Lockard, M.D.
Harvey G. Beck, M.D., D.Sc.

Edgar B. Friedenwald, M.D.
J. E. Poulton, M.D.
H. D. McCarty, M.D.
John E. O'Neill, M.D.
G. F. Sargent, M.D.
G. S. M. Kieffer, M.D.
J. F. Hawkins, M.D.
D. D. V. Stuart, Jr., M.D.
E. E. Mayer, M.D.
M. H. Todd, A.B., M.D.
John S. Fenby, M.D.
Frank J. Powers, M.D.
J. W. V. Clift, M.D.
D. C. Streett, A.B., M.D.
George McLean, M.D.
B. M. Levin, M.D.
E. B. Freeman. B.S., M.D.
Hubert C. Knapp, M.D.
G. M. Settle, A.B., M.D.
T. Fred Leitz, M.D.
Wm. H. Smith, M.D.
R. C. Metzel, M.D.
Wilbur P. Stubbs, M.D.
J. Harry Ullrich, M.D.
Benjamin Pushkin, M.D.
J E. Brumback, M.D.
J. G. Stiefel, M D.
Theodore Morrison, M.D
M. Feldman, M.D.
C. C. Hableston, M.D.
M. S. Lichtenberg, M.D.
Geo. Hemmeter, M.D.

PHYSICAL DIAGNOSIS.

Second Year. Didactic lectures and practical demonstrations in medical topography and the physical conditions in health, preparatory to the course in physical diagnosis in the third year. Two and one-half hours each week during the second semester.

Third Year. The class is divided into small groups, and each section receives instruction for the entire session in the medical dispensaries of the hospitals. During the second semester, the students under the supervision of instructors examine and treat patients in the medical dispensaries. During one semester small groups are sent for the afternoon to the city hospitals at Bay View for special instruction in history taking and physical diagnosis. Two hours a week throughout the year are devoted to physical diagnosis. Full class conferences one hour a week throughout the session.

CLINICAL MEDICINE.

Third Year. Lectures and recitations on the principle of medicine, for three hours a week throughout the session. Clinical conference, one hour each week throughout the session.

Fourth Year. Lectures, recitations and clinics to the entire class two hours a week throughout the session.

A clinical pathological conference is held once a week throughout the session, at which the material obtained through operations or at autopsy is studied in relation to the clinical findings.

The whole class, divided between the three hospitals and again subdivided into small groups, receives bedside instruction twelve hours a week throughout the session and has the care of the hospital patients under the direct supervision of the hospital staff, making all examinations and keeping the clinical histories of the patients.

Dispensary instruction is given nine hours a week in the specialities of medicine.

PEDIATRICS.

THIRD YEAR. Lecture recitation one hour a week throughout the session.

FOURTH YEAR. Clinic recitation one hour a week throughout the year and in addition ward class instruction to small groups one hour a week during one trimester.

Dispensary instruction in pediatrics is given to small groups throughout the year.

THERAPEUTICS.

Physical Therapeutics. This course consists of weekly lectures and demonstrations on hydrotherapy, thermotherapy, massage, rest and exercise, the Weir Mitchell Treatment, radiotherapy and electrotherapeutics. The basic physiologic principles and actions of the above mentioned agencies are given full consideration and study, and the practical application is observed in the hospital and clinic and in visits to various institutions having well equipped departments for treatment by physical means.

THIRD YEAR. This course is supplementary to that on clinical medicine and an effort is made to familiarize the student with the practical treatment of disease. (One hour a week.)

FOURTH YEAR. This subject is covered in conjunction with the teaching of clinical medicine.

GASTRO-ENTEROLOGY.

FOURTH YEAR. Clinic recitation to each third of the class for one hour a week throughout the session. Dispensary instruction to small groups during part of the session. Practical instruction in the wards in the differential diagnosis of diseased conditions of the alimentary tract.

TUBERCULOSIS.

A practical course is given in the tuberculosis dispensary and at the Municipal Tuberculosis Hospital to small groups, the abundance of the material, both of "incipient" and "advanced cases" making this course of value in the practical recognition of the physical signs of the disease.

NEUROLOGY.

THIRD YEAR. Lectures and recitations one hour each week to entire class throughout the year. This course comprises the study of the anatomy and physiology of the nervous system, the method of neurological examination, and relationship of signs and symptoms to pathological conditions. The material at the University, Maryland General, and Mercy Hospitals is available.

FOURTH YEAR. Clinical lectures and recitations; one hour each week throughout the entire session.

Clinical Conference, one hour each week to the entire class. This subject is taught at the University, Maryland General, and Mercy Hospitals. All cases presented at these clinics are carefully examined; complete written records are made by the students who demonstrate the cases before the class. These cases are usually assigned one or two weeks before they are presented, and each student in the class must prepare one or more cases during the year.

Ward Class Instruction. In small sections, two hours each week during entire year at the University, Maryland General, and Mercy Hospitals. In these classes the students come in close personal contact with the cases in the wards under the supervision of the instructor.

Dispensary Instruction. Small sections are instructed in the dispensaries of the University, Maryland General, and Mercy Hospitals four afternoons each week. In this way students are brought into contact with nervous diseases in their earlier as well as later manifestations.

Electro Therapeutics. Instruction in the uses of the various types of electrical apparatus is given by lectures and demonstrations in the clinics, the ward classes, and the out-patient department.

PSYCHIATRY.

Fourth Year. This subject is taught by means of didactic and clinical lectures. Abundant material is at the command of this department in the various institutions which are presided over by the teachers in psychiatry. The student is brought into contact with the early manifestations of mental disease in the dispensaries of the University, Maryland General, and Mercy Hospitals, and in a series of clinics opportunity is afforded to observe the course and later manifestations of the disease, often in these same patients, at the Sheppard-Enoch Pratt Hospital, Mount Hope Retreat, and City Detention Hospital.

HYGIENE AND PREVENTIVE MEDICINE.

Third and Fourth Years. In each year one lecture every week to the entire class throughout the session. A quiz will be substituted for a lecture whenever it is considered advantageous to do so. The lectures to the third year class will encompass all of the fundamental subjects, air, water, soil, food, disposal of wastes, etc. leading to the fourth year when communicable diseases of all kinds will be considered in groups and singly. State and Federal laws to promote and protect Public Health will be considered during the presentation of groups of diseases.

DEPARTMENT OF OBSTETRICS.

L. E. Neale, A.M., M.D., LL.D..... Professor of Obstetrics
Geo. W. Dobbin, M.D..... Professor of Obstetrics and Gynecology
J. M. H. Rowland, M.D..... Professor of Obstetrics
Bernard Purcell Muse, M.D..... Professor of Clinical Obstetrics
Charles E. Brack, M.D..... Clinical Professor of Obstetrics
J. K. B. E. Seegar, M.D..... Associate Professor of Obstetrics
H. S. Gorsuch, M.D..... Associate in Obstetrics
Maurice Lazenby, M.D..... Associate in Obstetrics
J. McF. Bergland.....Associate in Obstetrics
L. H. Douglass, M.D..... Instructor in Obstetrics
R. C. Deliz, M.D..... Instructor in Obstetrics
Wm. B. Schapiro, M.D..... Assistant in Obstetrics
J. J. Roberts, M.D..... Assistant in Obstetrics
F. H. Machin, M.D..... Assistant in Obstetrics

Third Year. Lectures and recitations two hours each week by Drs. Neale and Dobbin to entire class. Special obstetric and gynecologic pathology three hours each week by Drs. Brent and Lazenby

to class sections in the Pathologic Laboratory. Clinical Obstetrics (bedside and manikin work) three hours each week at the University Hospital by Dr. Neale and his assistants, and at the Mercy Hospital by Drs. Brack and Lazenby.

Examinations, one at end of first semester and final one at end of the year. The results of these examinations, considered in conjunction with the student's practical work, will determine the grade for the year's work, which grades, if sufficient to give student advanced standing, will count as one-half of the final grade in Obstetrics.

Fourth Year. *Lectures and Clinical Conferences.* Two hours each week to the entire class. Drs. Neale, Dobbin and Rowland.

Ward Classes and Operative Obstetrics (Manikin work). Four hours each week to sections of the class.

Students are required to attend obstetric cases before, during and after confinement in the University Hospital, Maryland Lying-In Hospital and Maryland Lying-In Asylum, as well as in the out-patient department. Each student is required to conduct and make accurate records of at least twelve confinement cases. These out-patient cases are conducted under the supervision of post-graduate instructors, two in number, who devote their whole time to this work.

Mid-year and final examinations will be held, the results of which, considered in conjunction with clinical work and recitations, will make up the remaining half of the final grade.

This School is peculiarly fortunate in the clinical material available for this important branch of medical teaching; more than 1700 cases in the three hospitals and their out-patient departments make a practically inexhaustible clinic.

DEPARTMENT OF GYNECOLOGY.

William S. Gardner, M.D.....Professor of Gynecology
W. B. Perry, M.D.....Professor of Clinical Gynecology
J. Mason Hundley, M.D.....Professor of Clinical Gynecology
Hugh Brent, M.D.....Associate Professor of Gynecology
Abraham Samuels, M.D.....Associate Professor of Gynecology
E. H. Hayward, M.D.....Associate in Gynecology
Geo. A. Strauss, M. D.....Associate in Gynecology
R. G. Willse, M.D.....Associate in Gynecology
W. K. White, M.D.....Instructor in Gynecology
R. L. Mitchell, M.D.....Instructor in Gynecology
J. M. Fenton, M.D.....Assistant in Gynecology
Maurice Lazenby, A.B., M.D.....Assistant in Gynecology
L. H. Douglass, M.D.....Assistant in Gynecology

THIRD YEAR. *Didactic Work.* Lectures and recitations one hour each week throughout the session.

Laboratory. Special pathology, both gross and microscopical, studied in connection with the clinical history of each specimen, two hours each week for one semester.

FOURTH YEAR. *Didactic Work.* Lectures and recitations one hour each week throughout the session.

Clinical Work. Six hours weekly for one trimester. In this course a student writes the clinical history of each patient in the ward, makes a general physical examination including the blood and urine, before the patient is brought before the class. One student under supervision gives the anesthetic, a pelvic examination is made by six students, and any operation required is then done before a section of the class small enough to see clearly what is being done and how it is done. On a subsequent day the whole group examine microscopically sections prepared from material removed from patients that have been before them.

DEPARTMENT OF OPHTHALMOLOGY AND OTOLOGY.

HARRY FRIEDENWALD, A.B., M.D..Professor of Ophthalmology and Otology
HIRAM WOODS, A.M., M.D.....Professor of Ophthalmology and Otology
WM. TARUN, M.D.....Clinical Professor of Ophthalmology and Otology
J. W. DOWNEY, M.D.....Clinical Professor of Otology
CLYDE A. CLAPP, M. D.....Associate in Ophthalmology and Otology
H. K. FLECKENSTEIN, M.D.....Associate in Ophthalmology and Otology
JOSEPH I. KEMLER, M.D.....Associate in Ophthalmology and Otology
EDWARD A. LOOPER, M.D., D.Oph..Instructor in Ophthalmology and Otology
R. D. WEST, M.D.....Assistant in Ophthalmology and Otology

THIRD YEAR. *Practical Course in the Anatomy,* gross and microscopic, and in the *Physiology of the Eye*; this course consists of dissections, microscopic sections, demonstration on models, etc., once weekly throughout one half the year.—Dr. Clapp.

Course in Anatomy, Physiology and Diseases of the Ear, Dr. Downey.

FOURTH YEAR. *Didactic Course in Diseases of the Eye* once weekly October to February, Dr. Woods; February to close of session, Dr. Harry Friedenwald.

Course in Diseases of the Ear, Dr. Downey, once weekly for half the year.

Clinics in diseases of the eye to sections of the class once weekly, by Drs. Harry Friedenwald, Woods and Clapp.

Dispensary Instruction to small sections.

The courses in Ophthalmology and Otology are designed to familiarize the students with the common diseases of the eye and ear, their recognition and treatment, with a view to meet the needs of the general practitioner. Special emphasis is laid upon the relation between diseases of the eye and the ear and systemic diseases of other organs.

LABORATORIES OF CLINICAL PATHOLOGY.

CHARLES E. SIMON, A.B., M.D.....Professor of Clinical Pathology
CHARLES C. W. JUDD, A.B., M.D.....Associate in Clinical Pathology
CHARLES W. V. RICHARDS, A.B., M.D.....Instructor in Clinical Pathology

During the *third year* the student is thoroughly drilled in the technique of the usual clinical laboratory work, so that he shall be able to perform all routine examinations which may be called for during his fourth year, in connection with the work in the wards and dispensary. In addition he is trained to do such advanced bacteriological and serological work as will fit him to occupy an assistant's position in a civil or military laboratory when modern public health and epidemiological work is carried on.

The practical work is supplemented by a series of didactic lectures, and demonstrations in which the entire teaching staff of the department takes an active part. The microscopical, chemical, bacteriological and serological study of the blood, of exudates and transudates, of gastric juice and feces and of urine are successively taken up, and special attention directed to the clinical significance of the findings.

Clinical parasitology and advanced bacteriology, both from the standpoint of the infecting agent and the carrier, are given careful consideration, and the military aspects of these phases of the subject duly emphasized.

The entire course is thoroughly practical. Each student is provided with a microscope, blood counters and hemoglobinometer for his exclusive use, and every two students with a special laboratory outfit for all routine purposes.

During the *fourth year* the student applies in the student laboratories of the various affiliated hospitals what he has learned during the preceding year. He is here also supplied with a laboratory outfit which is sufficiently complete to enable him to work independently of the general equipment. Special instructors are available during certain hours to give necessary assistance and advice.

THE UNIVERSITY HOSPITAL TRAINING SCHOOL FOR NURSES.

Miss Ellen Stewart, R.N., *Superintendent of Training School.*

The University of Maryland School for Nurses, established in the year 1889, for the purpose of instructing women in the art of caring for the sick, is now entering its twenty-eighth year.

The Nurses' Home, while not a new building, has been recently renovated and is comfortable and cheerful.

The Maryland University Hospital is a large general hospital containing about 285 beds. Unusual advantages are offered the pupil nurses because of the varied services and well thought out curriculum taught by paid Instructors and members of the Medical Staff of the University.

Candidates wishing to obtain the course of instruction must apply personally or by letter to the Superintendent of Nurses. Those applying by letter should enclose a statement from a clergyman testifying to good moral character and one from a physician certifying to sound health and unimpaired faculties. No candidate will be considered who is not physically fit. Applicants must not be under 21 or over 30 years of age. They must show that they have graduated from a High School or have had the equivalent of such a degree of education. The Superintendent of Nurses decides as to the fitness of the candidate for the work and the propriety of dismissing or retaining her at the end of her probation term. The Superintendent may also, with the approval of the Committee, dismiss a pupil from the school at any time for misconduct or inefficiency.

Students for the spring term are admitted in February and March, for the autumn term in August and September.

The Course of Instruction covers three years.

Examinations are held after each course of study and lectures, and the standing of the student at the end of the year is based upon the results of these examinations and the general character of the work throughout the year.

The diploma of the school will be awarded to those who have satisfactorily completed the full term of three years and have passed successfully the final examinations.

To the University Hospital belongs the honor of bestowing upon its graduates a cap that possesses a real history—the Florence Nightingale cap, installed by Miss Parsons, a graduate of St. Thomas Hospital, London, and the first superintendent of the University Hospital Training School for Nurses.

Vacations are given between the first of May and the last of September, and at no other time. A period of three weeks is allowed each year.

Sickness. Pupils when ill will be cared for gratuitously. All time lost for sickness or any other cause must be made up. Should the authorities of the school decide that through the time lost the theoretical work has not been sufficiently covered to permit the student to continue in that year, it will be necessary for her to continue her work with the next class.

Allowances. Every student is allowed $5.00 each month, after the first two months, to defray the expenses incidental to her training, text books, uniforms, etc Students receive lodging, board and a reasonable amount of laundry work from date of entrance.

A deposit of $5.00 for possible breakage and $5.00 for the payment of textbooks necessary during the probation term is required. If there are no charges against the student the fund is returned to her when she leaves the school.

Pupil nurses are required to be on duty not less than eight hours daily. From one to two hours additional must be devoted to class work and study.

GRADUATES OF 1919

GRACE ELIZABETH JONES	Maryland
BERTHA D'AUDELET KING	Maryland
HADY MARIA BROWNE	Maryland
CAROLINE AUGUSTA KLING	Maryland
HELEN MARIE GORDY	Maryland
ELIZABETH CONNELLY SIDES	North Carolina
AGNES LOUISE LOHSE	Maryland
MARIAN MERCEDES BROWN	Maryland
JANE BLAIR NICHOLS	Virginia
ETHEL BRADY	North Carolina
EMMA NORMAN MURRAY	Virginia
HELEN CARLISLE PLEASANTS	North Carolina
BETTY MAY LLOYD	Maryland
CATHERINE McLANE ZEPP	West Virginia
ANNETTE ALRICH	Maryland
EDNA LILLIAN MITCHELL	Maryland
ALICE HIAWATHA SMARR	South Carolina

THE MERCY HOSPITAL TRAINING SCHOOL FOR NURSES.

The Mercy Hospital Training School for Nurses, conducted by the Sisters of Mercy and connected with the College of Physicians and Surgeons, was organized and incorporated under the general laws of the State of Maryland in 1899. Its first students were graduated in 1901; and on the passage of the bill for registration in 1904, the

Sisters of Mercy, connected with the Hospital service, received certificates as registered nurses.

The Training School was affiliated with the Board of Regents of the State of New York in 1906; and, in the same year, the Alumnae Association was incorporated, having been previously connected with the Associated Alumnae of the United States. The graduates, as active members, have been much interested in the movements of the Maryland Association of Graduate Nurses, to whom they have given every encouragement to uplift the profession in its many works of district nursing, tuberculosis campaign, Red Cross movements, etc.

The requirements for entrance are: highest moral standing, health, intelligence, and a High School education or its equivalent. The age limit is twenty to thirty-five years.

After a three months' probation, candidates, if they possess the necessary qualifications, are admitted to the Training School proper, receiving five dollars a month wherewith to secure uniforms, text books, etc., the education they receive being considered their compensation. The right is reserved to dismiss pupils for any cause which may be deemed sufficient by the Sister Superior or Superintendent.

The course of training comprises three years of theory and practice. The clinical advantages are exceptional. The medical, surgical, orthopedic, gynecological, obstetrical, children's and dietetic departments give valuable practical experience. The nurses are taught the theory of nursing by class recitations and demonstrations by efficient Sister instructors. Supplementing this training is a course of lectures from the professors of the University of Maryland School of Medicine and College of Physicians and Surgeons, who are untiring in their efforts to keep the School abreast with modern scientific developments.

GRADUATES OF 1919

GRACE JOSEPHINE CARROLL	Pennsylvania
ALICE LAVENIA CLARK	Maryland
PATRICIA OLIVE GANNON	Maryland
EDNA ELIZABETH RITA PLUMMER	Montana
ELIZA DYSON ROBY	Maryland
ANNE ELIZABETH STEINACKER	Maryland
ADELINE BOONE THAWLEY	Maryland
TERESA IRENE WISE	Pennsylvania

MARYLAND GENERAL HOSPITAL TRAINING SCHOOL FOR NURSES.

Mrs. Henrietta Knorr, R.N., *Superintendent of Training School.*

The Maryland General Hospital Training School for Nurses has been in successful operation since 1891.

In 1909 the Training School was registered with the Board of Regents of the State of New York.

Its purpose is to give to young women desiring to understand the science and acquire the art of nursing the sick and injured, the opportunity, through instruction and training, to qualify themselves for efficient and skillful work in their humane and useful mission.

A candidate for admission must be between 19 and 35 years of age.

She must have a High School education or pass an examination in the subjects embraced in, or equivalent to, the four years' curriculum of the High Schools of the State of Maryland, and is required to fill in a "student nurse's application" furnished by the State Board of Examiners, which is passed upon by Mr. Charles R. Ranft, Examiner of Preliminary Education.

She must present a certificate from her family physician testifying as to good health and proper physical condition, and certificates from two other responsible persons.

The first six months will constitute a period of probation, in which the candidate must show her fitness before she will be finally accepted as a pupil. The school reserves the right of suspension or dismissal at any time, for inefficiency, misconduct, or infraction of the rules of discipline.

A vacation of two weeks each year is granted.

Pupils are cared for without expense in case of illness, provided they remain in the hospital and are attended by members of the Medical Staff.

The full course of instruction will extend over a period of three calendar years. During the probationary period practical demonstrations are given in the class room, four hours each week. Nurses in training receive instruction in the nursing of medical, surgical, orthopedic, gynecological patients, in operating room work, and also in obstetrics and the nursing of children; in addition to which, courses of lectures are given by the visiting physicians and surgeons of the Maryland General Hospital.

All examinations must be successfully passed before the pupil will be advanced to the work of the following year.

GRADUATES OF 1919

MARY BAILEY WADDELL	Maryland
IDA GERTRUDE FOX	Maryland
ELIZABETH GRAY PEEBLES	Maryland
GRACE ELLEN HAHN	Maryland
MARGARET ELIZABETH WHITE	Maryland
HAZEL OLIVE BARBER	Maryland
JANE BERTHA HARRISON	Maryland
MARCIA ISABELLE WHEAT	Maryland
NETTIE JANE KIDDY	Maryland
SADIE MARGARET HAFFNER	Maryland
NELLIE MAE DEVILBISS	Maryland
DORTHEA ELIZABETH TAG	Maryland
ALICE DOROTHY LORD	West Virginia
MARGARET LEE REESE	Maryland

ENDOWMENT FUND.

The following, all Alumni of the University, constitute the Board of Trustees of this Fund:

HON. HENRY STOCKBRIDGE, LL.D.
HARRY ADLER, M.D.
CHARLES MARKELL, LL.B.
STUART S. JANNEY, ESQ.
JOHN B. THOMAS, PH. G.
B. MERRILL HOPKINSON, M.D.
HENRY P. HYNSON, PHAR.D.
ARTHUR M. SHIPLEY, M.D.

This Board is incorporated by act of the Legislature of the State, its legal title being "The Trustees of the Endowment Fund of the University of Maryland," and is independent and self-perpetuating, filling itself any vacancies. Its powers are limited *to the expenditure of the interest derived from the fund*, which is to be applied in the discretion of the Board for the benefit of the University. Contributions, donations and bequests are solicited from Alumni and friends. They may be made to the general or University Fund, to the Medical Fund or to any other department of the University. If intended for the School of Medicine, they may be given to the general medical fund or to some special object, as building, research, library, pathology, hospital, publication, laboratories, gymnasium, scholarship, medal, prize, etc., in which case the wishes of the donor will be strictly regarded. Attention is invited to the "Charles Frick Research Fund," already established in memory of that distinguished investigator. Checks should be made payable to B. Merrill Hopkinson, M.D., Treasurer, Professional Building, Baltimore, Md.

FORMS OF DEVISE OR BEQUEST.

To School of Medicine.

I give, devise and bequeath to the Regents of the University of Maryland a corporation incorporated under the laws of the State of Maryland, for the benefit of the Faculty of Physic .....

(Here state amount or describe property.)

To Endowment Fund.

I give, devise and bequeath to the Trustees of the Endowment Fund of the University of Maryland, a corporation incorporated under the laws of the State of Maryland, for the benefit of the Faculty of Physic.....

(Here state amount or describe property.)

ALUMNI ASSOCIATIONS.

UNIVERSITY OF MARYLAND MEDICAL DEPARTMENT.

All alumni in good standing are eligible to membership.

The membership fee is $1.00 per annum, payable in March.

The annual meetings are held on or about Commencement Day, and an orator will be selected to deliver an address upon these occasions.

The Banquet, which follows the delivery of the oration, is a reunion of old classmates, to which members who have paid their dues in full and candidates who have paid their initiation fee are admitted without extra charge.

The following are the officers for the current year:

President.

Dr. J. M. H. Rowland.

Vice-Presidents.

Dr. W. F. Lockwood.
Dr. Arthur M. Shipley.
Dr. Alexius McGlannan.

Secretary and Treasurer.

Dr. Edward A. Looper.

Recording Secretary.

Dr. Geo. M. Settle.

Corresponding Secretary.

S. J. Fort.

Necrologist.

Dr. Jos. T. Smith.

Executive Committee.

Dr. Albert H. Carroll, *Chairman.*

Dr. B. Merrill Hopkinson
Dr. C. W. Vogel
Dr. Jos. Holland
Dr. H. M. Jones

COLLEGE OF PHYSICIANS AND SURGEONS.

President.

C. W. Vogel, M.D.

1st Vice-President.

Humphry D. Wolfe, M.D.

2nd Vice-President.

W. C. Stifler, M.D.

Secretary.

H. C. Knapp, M.D.

Treasurer.

C. E. Brack, M.D.

Executive Committee.

Alexius McGlannan, M.D.
H. K. Fleckenstein, M.D. A. C. Gillis, M.D.

THE GENERAL ALUMNI ASSOCIATION OF THE UNIVERSITY OF MARYLAND.

President.

Dr. Albert H. Carroll, The Walbert Apartments.

Vice-President.

Edward P. Crummer.

Treasurer.

George Maurice Lee.

Corresponding Secretary.

William K. Stichel, Baltimore and Light Streets.

Recording Secretary.

Frank E. Welsh, Jr.

Advisory Council.

Medical.

Dr. Merrill Hopkinson
Dr. Charles O'Donovan
Dr. William F. Lockwood
Dr. Arthur M. Shipley
Dr. Charles A. Vogel

Legal.

Judge Alfred J. Niles
Hon. Wm. Milnes Maloy
Hon. Oregon Milton Dennis
Mr. Thomas Foley Hiskey
Mr. Joseph C. France
Mr. Wm. Pepper Constable

Dental.

Dr. Timothy H. Heatwole
Dr. Eldridge Baskin
Dr. C. C. Harris
Dr. Samuel C. Pennington
Dr. L. Wilson Davis
Dr. Francis J. Valentine

Pharmaceutical.

Dr. John S. Thomas
Dr. Eugene W. Hodson
Dr. Henry P. Hynson
Dr. John F. Hancock
Dr. David P. Millard
Dr. James W. Westcott

Academic.

Judge Walter I. Dawkins	Dr. James A. Nydegger
Dr. Thomas Fell	Dr. James D. Iglehart
Mr. E. John W. Revell	Mr. Harry E. Blake

YOUNG MEN'S CHRISTIAN ASSOCIATION OF THE UNIVERSITY OF MARYLAND

The Y. M. C. A., since its establishment twenty-one years ago, has had a splendid influence in helping to mould the character of the students at the University.

All students in each department of the University are eligible to active or associate membership. Membership in the University Association entitles the holder to special privileges in the City Association. Bible and Mission Study Classes and Social Service Work are promoted by the Association and every effort is exerted to build morality and strong Christian character.

A committee will be on hand in Davidge Hall at the opening of the session to welcome all new students to the University. This committee will be glad to render assistance in securing comfortable rooms and boarding houses, and will extend every other courtesy possible. Each new student will be handed a copy of the handbook, a publication issued by the Y. M. C. A., containing valuable information.

All young men who intend to enter the University are cordially invited to share in the privileges and work of the Association.

The officers named will be glad to furnish any information desired in regard to the Association, and will be glad to render any assistance. Correspondence should be addressed to Fred C. Sabin, President.

UNIVERSITY OF MARYLAND

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COLLEGE OF PHYSICIANS AND SURGEONS AND MERCY HOSPITAL

UNIVERSITY HOSPITAL

MARYLAND GENERAL HOSPITAL

VOL. V JULY, 1920 NO. 2

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(MEDICAL, DENTAL, LAW AND PHARMACY)

BULLETIN

OF THE

UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE

AND

COLLEGE OF PHYSICIANS AND SURGEONS

Successor to THE HOSPITAL BULLETIN, of the University of Maryland, BALTIMORE MEDICAL COLLEGE NEWS, and the JOURNAL of the Alumni Association of the College of Physicians and Surgeons.

VOL. V JULY, 1920 No. 2

ANNUAL ANNOUNCEMENT SESSION 1920-1921

CALENDAR

1920-1921

June 1 to September 30.—Daily Clinics at University, Mercy, and Maryland General Hospitals.

September 22.—Examination of Conditioned Students and Examination for Advanced Standing.

October 1.—Regular Session begins.

November 24.—Thanksgiving Recess begins. 6 p.m.

November 29.—Thanksgiving Recess ends. 9 a.m.

December 23.—Christmas Recess begins. 6 p.m.

January 3.—Christmas Recess ends. 9 a.m.

February 22.—Washington's Birthday.

March 24.—Easter Recess begins. 6 p.m.

March 29.—Easter Recess ends. 9 a.m.

June 1.—Commencement.

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The School of Law
The School of Dentistry
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The School of Home Economics
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Jos. E. Gichner, M.D.
Wm. H. Smith, M.D.

Gastro Enterologist.

John C. Hemmeter, Ph.D., M.D.

Gynecologists.

J. Mason Hundley, M.D.
Hugh Brent, M.D.

Obstetricians.

L. E. Neale, M.D., LL.D.
J. M. H. Rowland, M.D.

Ophthalmologists and Otologists.

Hiram Woods, A.M., M.D.
William Tarun, M.D.
Edward A. Looper, M.D.

Laryngologists.

Samuel K. Merrick, A.B., M.D.

Proctologists.

G. Milton Linthicum, A.M., M.D.
J. Dawson Reeder, M.D.

Orthopedic Surgeons.

R. Tunstall Taylor, A.B., M.D.
Compton Riely, M.D.

Neurologist.

Irving J. Spear, M.D.

Genito-Urinary Surgeons.

A. J. Underhill, A.B., M.D.
Page Edmunds, M.D.

Pediatrician.

Charles L. Summers, M.D.

Pathologists.

Standish McCleary, M.D.
Hugh R. Spencer, M.D.
H. J. Maldeis, M.D.

Roentgenologist.

Henry J. Walton, M.D.

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JOHN WM. METCALF, M.D.
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ALFREDO C. COMAS, M.D.
E. PAUL KNOTTS, M.D.
ZEBULON V. HOOPER, M.D.

UNIVERSITY HOSPITAL DISPENSARY STAFF

J. A. SKLADOWSKY, M.D., *Dispensary Physician*
MISS ELVA DEAN, *Head Nurse.*

Medicine.

D. CORBIN STREETT, M.D., *Chief of Clinic*

S. R. CLARKE, M.D.
H. R. LICKLE, M.D.
G. L. ZIMMERMAN, M.D.
HORACE BYERS, M.D.
WM. MICHEL, M.D.
W. G. CLOPTON, M.D.

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C. P. ROSS, M.D.
E. S. PERKINS, M.D.
C. R. EDWARDS, M.D.
E. S. JOHNSON, M.D.
D. E. FAY, M.D.
C. A. REIFSCHNEIDER, M.D.

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C. L. JOSLIN, M.D., *Chief of Clinic.*

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JOHN HOUFF, M.D.
W. B. WARNER, M.D.
W. H. INGRAM, M.D.

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R. G. WILLSE, M.D., *Chief of Clinic.*

R. L. MITCHELL, M.D.
D. E. FAY, M.D.

Obstetrics.

L. H. DOUGLASS, M.D., *Chief of Clinic.*
F. H. MACHIN, M.D.

Eye and Ear.

Wm. Tarun, M.D., *Chief of Clinic.*

E. A. Looper, M.D. H. L. Sinsky, M.D.

G. Murgatroyd, M.D. F. B. Anderson, M.D.

Nose and Throat.

E. A. Looper, M.D., *Chief of Clinic.*

H. L. Sinsky, M.D. F. B. Anderson, M.D.

A. W. Reier, M.D.

Skin.

H. M. Robinson, M.D., *Chief of Clinic.*

J. E. Gately, M.D. J. A. Bushness, M.D.

Stomach.

J. H. Ullrich, M.D., *Chief of Clinic.*

Orthopedics.

R. Tunstall Taylor, A.B., M.D., *Professor of Orthopedic Surgery.*

Compton Riely, M.D., *Chief of Clinic.*

H. L. Wheeler, M.D.

Genito-Urinary.

A. J. Underhill, M.D., *Chief of Clinic.*

W. H. Councill, M.D. F. L. Detrick, M.D.

W. H. Toulson, M.D.

Neurology.

Irving J. Spear, M.D., *Professor of Neurology.*

G. M. Settle, M.D., *Chief of Clinic.*

A. L. Fehsenfeld, M.D. J. A. Skladowsky, M.D.

B. Pushkin, M.D.

Proctology.

J. D. Reeder, M.D., *Chief of Clinic.*

Tuberculosis.

J. E. O'Neill, M.D., *Chief of Clinic.*

X-Ray.

Harry J. Walton, M.D., *Roentgenologist.*

Miss Frances Meridith, *Nurse-in-Charge.*

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SURGICAL DIVISION.

Surgeons.

ARCHIBALD C. HARRISON, M.D. ALEXIUS MCGLANNAN, M.D.

Associate Surgeons.

WALTER D. WISE, M.D. WILLIAM W. REQUARDT, M.D.
ELLIOTT H. HUTCHINS, M.D. THOS. R. CHAMBERS, M.D.
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R. H. LOCHER, M.D. F. L. JENNINGS, M.D.
AMOS HUTCHINS, M.D.

Ophthalmologist and Otologist.

HARRY FRIEDENWALD, M.D.

Rhinologists and Laryngologists.

FRANK D. SANGER, M.D.
GEORGE W. MITCHELL, M.D. W. F. ZINN, M.D.

Proctologist.

C. F. BLAKE, M.D.

Orthopedic Surgeon.

ALBERTUS COTTON, M.D.

Urologist.

A. G. RYTINA, M.D.

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STANDISH MCCLEARY, M.D.

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C. C. W. JUDD, M.D. LOUIS J. ROSENTHAL, M.D.
E. E. MAYER, M.D.

Gastro-Enterologists.

JULIUS FRIEDENWALD, M.D.
T. FREDK. LEITZ, M.D. THEODORE MORRISON, M.D.

Pediatrists.

JOHN RUHRÄH, M.D. EDGAR B. FRIEDENWALD, M.D.
HARRY GOLDBERG, M.D.

Neurologist.

Andrew C. Gillis, M.D.

Dermatologist.

Melvin Rosenthal, M.D.

OBSTETRICAL DIVISION.

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Charles E. Brack, M.D.
T. K. Galvin, M.D.
E. P. Smith, M.D.

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Gynecologist.

William S. Gardner, M.D.

Associate Gynecologists.

Abraham Samuels, M.D.
George Strauss, M.D.

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Pathologists.

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Hugh R. Spencer, M.D.

Clinical Pathologist.

H. T. Collenberg, M.D.

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J. W. Downey, Jr., M.D.

X-RAY DEPARTMENT.

Radiographers

Albertus Cotton, M.D.
Harry L. Rogers, M.D.

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J. A. Clarken, M.D.
Wm. F. Martin, M.D.
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C. L. Connor, M.D.
R. B. White, M.D.
H. A. Chamberlain, M.D.

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Surgery.

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O. H. Lloyd, M.D.
D. S. Mohr, M.D.
W. W. Requardt, M.D.
T. R. Chambers, M.D.
F. L. Jennings, M.D.
A. F. Hutchins, M.D.
F. X. Kearney, M.D.

Genito-Urinary Surgery.

Anton G. Rytina, M.D.

A. L. Tumbleson, M.D.
A. E. Goldstein, M.D.
Harris Goldman, M.D.

Orthopedic Surgery.

Albertus Cotton, M.D.
Harry L. Rogers, M.D.

Medicine.

B. T. Baggott, M.D.
W. O. Huff, M.D.
L. J. Rosenthal, M.D.
H. Seidel, M.D.

Diseases of Stomach.

Julius Friedenwald, M.D.
T. Fred'k Leitz, M.D.
Theodore Morrison, M.D.
Joseph Sindler, M.D.
M. Feldman, M.D.

Nervous Diseases.

A. C. Gillis, M.D.
G. F. Sargent, M.D.
L. M. A. Krause, M.D.

Diseases of Women.

E. P. Smith, M.D.
H. Palmisiano, M.D.
T. K. Galvin, M.D.
C. F. J. Coughlin, M.D.

Diseases of Nose and Throat.

W. F. Zinn, M.D.
R. F. McKenzie, M.D.

Diseases of Eye and Ear.

Jos. I. Kemler, M.D.

Neuro-Otology.

J. W. Downey, Jr., M.D.

Diseases of the Rectum.

C. F. Blake, M.D.

Diseases of Skin.

Melvin Rosenthal, M.D.

Social Service Department.

A. Regina Garrett, R.N., *Director.*
Catherine Campbell, R.N., *Assistant.*
Clara E. Connery, R.N., *Chief Dispensary Nurse.*
Helen M. Moore, *Register.*

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J. C. Lumpkin, M.D.
Randolph Winslow, A.M., M.D., LL.D.
G. M. Linthicum, M.D.
A. G. Barrett, M.D.
A. M. Shipley, M.D.
Frank Martin, M.D.
Robert P. Bay, M.D.
J. B. Culverhouse, M.D.

Physicians.

E. B. Freeman, M.D.
H. D. McCarty, M.D.
Jos. E. Gichner, M.D.
Charles O'Donovan, A.M., M.D., LL.D.
Gordon Wilson, M.D.
D. Corbin Streett, A.B., M.D.

Neurologists.

Chas. G. Hill, A.M., M.D.
Irving J. Spear, M.D.
George M. Settle, M.D.

Laryngologists.

S. K. Merrick, M.D.

Obstetricians.

J. M. H. Rowland, M.D.
J. K. B. Seegar, M.D.
L. E. Neale, M.D., LL.D.
Stanley H. Gorsuch, M.D.

Gynecologists.

W. B. Perry, M.D.
S. H. Streett, B.S., M.D.
J. Mason Hundley, M.D.
Maurice Lazenby, M.D.
E. H. Hayward, M.D.

Ophthalmologists.

Clyde A. Clapp, M.D.
Hiram Woods, A.M., M.D.
R. D. West, M.D.

Proctologists.

G. Milton Linthicum, A.M., M.D.
Ernest G. Marr, B.S., M.D.

Radiologist.

John Evans, M.D.

Dermatologist.

E. R. Stroebel, A.B., M.D.

Urologist.

W. B. Wolf, M.D.

Orthopedic Surgeon.

Sydney M. Cone, A.B., M.D.

Pathologists.

Standish McCleary, M.D. Hugh R. Spencer, M.D.
G. Howard White, M.D.

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M. LeR. Lumpkin, M.D. C. W. Stewart, M.D.
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F. B. Smith, M.D. P. Artigiani, M.D.
J. S. Woodruff, M.D. R. W. Richardson, M.D.
J. H. Underwood, M.D.

MARYLAND GENERAL HOSPITAL DISPENSARY STAFF.

Medicine and Children.

Charles O'Donovan, M.D. H. D. McCarty, M.D.

Surgery.

Arthur G. Barrett, M.D. J. D. Bubert, M.D.
George Shannon, M.D.

Eye and Ear.

Clyde A. Clapp, M.D. Reginald D. West, M.D.
J. E. Brumback, M.D.

Nose and Throat.

George W. Murgatroyd, M.D. Wm. Caspari, M.D.

Gastro-Enterology and Proctology.

E. B. Freeman, M.D. Ernest G. Marr, M.D.

Urology.

R B. Kenyon, M.D. E. H. K. Zeller, M.D.

Gynecology.

W. B. Perry, M.D. J. M. Fenton, M.D.

J. M. Denny, M.D.

Dermatology.

R. B. Kenyon, M.D. E. H. K. Zeller, M.D.

Neurology.

George M. Settle, M.D. A. C. Gillis, M.D.

Irving J. Spear, M.D.

THE JAMES LAWRENCE KERNAN HOSPITAL AND INDUSTRIAL SCHOOL OF MARYLAND FOR CRIPPLED CHILDREN.

R. Tunstall Taylor, A.B., M.D., *Surgeon-in-Chief.*

Associate Surgeons.

Sydney M. Cone, A.B., M.D. Albertus Cotton, A.M., M.D.

Compton Riely, M.D.

W. H. Daniels, M.D., *Dispensary Surgeon and Anaesthetist.*

George F. Lynch, M.D., *Resident Surgeon.*

Miss Anita Renshaw Presstman, *Instructor in Corrective Gymnastics*

Miss Mary H. Lee, *Principal of School*

Miss Ada Mosby, *Kindergartner and Industrial Teacher*

Roentgenologist.

Henry J. Walton, M.D.

Attending Plastic Surgeon.

John Staige Davis, B.Sc., M.D.

Attending Physician.

A. D. Atkinson, M.D.

Attending Surgeon.

Frank Martin, B.Sc., M.D.

Attending Laryngologist.

John R. Winslow, A.B., M.D.

Attending Dermatologist.

John R. Abercrombie, A.B., M.D.

Attending Pathologist.

HOWARD J. MALDEIS, M.D.

Attending Urologist.

GIDEON TIMBERLAKE, M.D.

Attending Oculist and Aurist.

WILLIAM TARUN, M.D.

Attending Neurologist.

IRVING J. SPEAR, M.D.

Attending Dentist.

G. E. P. TRUITT, D.D.S.

Consulting Surgeons.

W. S. HALSTED, A.B., LL.D., B.Sc., M.D.
J. M. T. FINNEY, A.B., M.D.
RANDOLPH WINSLOW, A.M., M.D., LL.D.
ARCHIBALD C. HARRISON, M.D.

Consulting Physicians.

THOMAS R. BROWN, A.B., M.D.
LLEWELLYS F. BARKER, A.B., M.D.
THOMAS B. FUTCHER, A.B., M.D.
WILLIAM S. THAYER, A.B., M.D.

Consulting Oculist.

HIRAM WOODS, A.B., M.D.

Consulting Laryngologist.

JOHN N. MACKENZIE, A.B., M.D.

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THOMAS R. BOGGS, S.B., M.D., *Physician-in-Chief.*

ARTHUR M. SHIPLEY, M.D., *Surgeon-in-Chief.*

H. D. MCCARTY, M.D., *Physician-in-Chief to the Municipal Hospital for Tuberculosis.*

H. H. BULLARD, M.D., *Pathologist.*

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Ophthalmologist.

JAMES J. MILLS, M.D.

Otologist.

WILLIAM TARUN, M.D

Gynecologist.

R. G. WILLSE, M.D.

Urologists

PAGE EDMUNDS, M.D. W. H. TOULSON, M.D.

Laryngologist.

FRANK DYER SANGER, M.D

Pediatrician.

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Neurologist.

HENRY M. THOMAS, M.D.

ST. ELIZABETH HOME.

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FRANK AYD, M.D.

Surgeon.

ALEXIUS MCGLANNAN, M.D.

Neurologist.

A. C. GILLIS, M.D.

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ALBERTUS COTTON, M.D.

Oculist and Aurist.

HARRY FRIEDENWALD, M.D.

Superintendent.

MRS. O. V. JONES

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Charles O'Donovan A.M., M.D.
J. E. Poulton, M.D.
Eugene H. Hayward, M.D.
J. K. B. E. Seegar, M.D.
F. J. Powers, M.D.

Visiting Surgeons.

Frank Martin, B.S., M.D.
Alexius McGlannan, M.D.

Visiting Oculists and Aurists.

J. Frank Crouch, M.D.
Clyde E. Clapp, M.D.

Visiting Orthopedic Surgeons.

Sydney M. Cone, A.M., M.D.
Compton Reilly, M.D.

Visiting Proctologist.

G. Milton Linthicum, A.M., M.D.

Pathologist.

Sydney M. Cone, A.M., M.D.

MARYLAND LYING-IN HOSPITAL.

Obstetricians.

J. M. H. Rowland, M.D.
J. K. B. E. Seegar, M.D.
L. E. Neale, M.D.
H. S. Gorsuch, M.D.

Resident Obstetrician.

Frederick B. Smith, M.D.

MATRICULATES, UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE AND COLLEGE OF PHYSICIANS AND SURGEONS, 1919–1920.

POST-GRADUATES AND SPECIAL STUDENTS.

Name	State
Bay, Beulah G., R.N.	Maryland
Briscoe, Beverly W., M.D.	Pennsylvania
Carver, Mary Estelle	Maryland
Cassidy, Lucius F.	New Jersey
Chronik, Joseph B.	New York
Dunlap, Wm. V., M.D.	West Virginia
Frazier, Herbert H., M.D.	Michigan
Gavitte, Edward B., M.D.	Pennsylvania
Hundley, J. M. Jr., A.B., M.D.	Maryland
Kilcourse, Thomas F.	New York
Love, Wm. Marshall, M.D	North Carolina
Morales, Juan S., M.D.	Porto Rico
Morris, John Joseph	New York
Miller, Katherine	Maryland
Nelson, James W., A.B.	Maryland
Pfeffer, Albert M.	Nebraska
Peacock, Lee Wallace	Michigan
Rainey, Cecil DuBois, A.B.	Ohio
Robey, Helen M.	Maryland
Scagnetti, Albert	New York
Schwartz, William	New Jersey
Simon, Moses	New York
Smith, Boylston D., M.D.	Maryland
Stahl, Wm. M., M.D.	Connecticut
Staats, Charles O., M.D	West Virginia
Staats, Lorena M.	West Virginia
Tiber, Leon Julius, B.S., M.S.	Minnesota
Tower, Samuel	New York
Weinstein, Wm.	New York
Weiler, Ralph	New York
Whiston, Walter C.	Pennsylvania
Winner, Jacob L., M.D.	Maryland
Wood, Austin H., M.D	Maryland
Zinck, Rhea H.	Nova Scotia

FOURTH YEAR CLASS.

Name	State
Artigiani, Philibert, Phar.D.	Marlyand
Aubrey, John F	Maryland
*Bacchi, Rosario Joseph	New York
Banvard, Navy F. X.	New Jersey
Bernabe, Adolfo	Porto Rico
Billingslea, Charles Levine	Maryland
Brumback, Lynn Hamilton	Virginia.
Bubert, Howard Matheson	Maryland
Burton, Claud Carter, B.S.	Kentucky
de Cardona, Nestor	Porto Rico
Clarken, Joseph Austin	New Jersey
Comas, Alfredo Calero	Cuba
Davidov, Nathan Jacob	West Virginia
DeForest, Clayce Remine	West Virginia
Dobihal, Louis C.	Maryland
Erwin, John J.	West Virginia
Evans, Harold Parriott	West Virginia
Fahndrich, Carl Gustav	Maryland
Finney, Roy P.	Virginia
Ginsberg, Leon	Maryland
Gold, Ben	North Carolina
Gonzalvo, Francisco A., A.B	Santo Domingo
Hakim, Rattansha Merwanji	India
Holden, Frederick Allan	Maryland
Hooper, Zebulon Vance	North Carolina
Jackvony, Albert Humbert, Ph.C., Phar. D.	Rhode Island
Janer, Angel	Porto Rico
John, Benjamin Clifford	West Virginia
Kaufman, Edward Leo	West Virginia
Kenure, James Thomas, B.S.	Connecticut
Kinney, James P.	New York
Knotts, Earle Paul, B.S	Maryland
Kourey, Salem W	Maryland
Lombard, Nicholas Thomas, Phar.D.,	Maryland
Lueders, Jr., William	Maryland
McGill, Waldo Knox, A.B	South Carolina
Mackey, William K.	West Virginia
Marshall, Charles Benton	West Virginia
Martin, Wm. Francis	North Carolina
Medairy, George Curtis	Maryland
Metcalf, John William	Ohio
Orr, William Jennings Bryan	North Carolina
Perry, Clayton Charles	Pennsylvania
Pessagno, Daniel Joseph, A.B	Maryland
Ponte, Jr., Joseph Perry	Massachusetts
de Quevedo, Rafael Garcia	Porto Rico
Quintero, Ernesto	Porto Rico
Rainey, Cecil DuBois, A.B.	Ohio
Reese, John G. M.	Maryland
Richardson, Rhea Walters	Maryland
Rigney, Jr., Lawrence Joseph	Delaware
Sheppard, Jr., Henry	North Carolina

SKAGGS, JAMES WILLIAM.....*West Virginia*
SMITH, FREDERICK BRUCE.....*Maryland*
TOLSON, JR., HOWARD L.....*Maryland*
UNDERWOOD, J. HAROLD.....*West Virginia*
WARREN, JOHN FREEMAN.....*New York*
WHITE, THOMAS FRANCIS.....*Delaware*
WILD, ALBERT.....*Connecticut*
WISSIG, GEORGE LEROY.....*Maryland*
WOODRUFF, JULIAN S.....*North Carolina*
ZINBERG, ISRAEL SAUL.....*Maryland*

*Not in attendance the entire session.

THIRD YEAR CLASS.

Name	*State*
BADAGLIACCA, FRANCIS LUCIAN	*New Jersey*
BARNES, BRUCE	*New Jersey*
BENSON, CARL FISHER	*Maryland*
BERNARDO, JOHN RALPH	*Delaware*
BONFIGLIO, VINCENT	*Maryland*
BOSE, JOGESH CHANDRA, B.S.	*India*
BROADRUP, EARL EDGAR	*Maryland*
CASTRO, ANDRES GUTIERREZ, A.B.	*Costa Rica*
COSTA, OSCAR G.	*Porto Rico*
CULVER, SAMUEL HEARNE	*Delaware*
DORF, HERMAN J.	*New York*
FISHER, CHARLES FREDERICK	*Maryland*
FISHER, DANIEL SEBASTION	*Pennsylvania*
FOLEY, CHARLES JOSEPH	*Maryland*
FRANKLIN, JOSEPH POWEL, A.B.	*Alabama*
FREEDOM, LEON	*Maryland*
GARDNER, WILLETTS WALTON, A.B.	*New York*
GOLLEY, KYLE WOOD	*Maryland*
GRABILL, J. STANLEY	*Maryland*
GUYTON, JOHN WILLIS	*Maryland*
HAWKS, CYRUS EUGENE	*Maryland*
HEITSCH, HUBERT MESSNER	*Michigan*
HOBGOOD, LEGAN HENRY, B.S.	*North Carolina*
HOHEB, ALBERT SALOMON	*Porto Rico*
HOLOFCENER, JULIUS DAVID	*Maryland*
JAFFE, ALBERT	*Maryland*
JOHN, BAXTER S.	*Virginia*
JOSKA, VINCENT VERNON	*Maryland*
JOYNER, GEORGE RICHARDSON	*Virginia*
KEEGAN, DANIEL FRANCIS, A.B.	*Connecticut*
KEMP, RICHARD JOSEPH	*Maryland*
LASS, LOUIS	*New York*
LUBAN, BENJAMIN	*New York*
MCCOY, ARLEY	*West Virginia*
MARTINEZ, EZEQUIEL	*Porto Rico*
MATTHEWS, STANLEY WILLIAM	*North Carolina*
MONNINGER, ARTHUR CERIL	*Pennsylvania*
NAVARRO, ARMANDO SILVA	*Porto Rico*
O'ROURK, THOMAS PULLEN	*Maryland*
PACIENZO, FRANK ANTHONY	*Maryland*
PAULSON, MOSES	*Maryland*
PETERS, EDGAR ALLEN POE, B.S.	*Kentucky*
PILLSBURY, HAROLD CROCKETT	*Maryland*
PLYLER, RALPH JOHNSON, A.B.	*North Carolina*
POKORNY, JOSEPH	*Maryland*
QUINONES, NORBERTO A.	*Porto Rico*
REYNOLDS, FRANCIS A.	*Massachusetts*
RIES, FERDINAND A.	*Maryland*
ROMILLY, HAROLD A.	*Virginia*
RYON, JAMES BARRY, A.B.	*Maryland*
SABIN, FRED C.	*New York*
SAVAGE, PHILIP JOSEPH	*Connecticut*
SCHILLING, JESMOND WILLIAM	*Pennsylvania*
SCOTELLARO, NICHOLAS J.	*New York*
SEAY, THOMAS W.	*Virginia*
SHERMAN, SOLOMON	*Maryland*
SHIRCLIFF, ELLIOTT WALTER	*Maryland*
SHUBERT, FELIX S.	*Pennsylvania*
SKVARLA, JOHN AUGUSTUS	*New Jersey*
SOWERS, JACOB LONG, B.S.	*North Carolina*
STONE, SAUL G.	*Ohio*
SZCZERBICKI, JOHN VALENTINE	*Maryland*
TILGHMAN, STANLEY J.	*Maryland*
TIMKO, LOUIS M.	*Pennsylvania*
WANGLER, HERMAN ERNEST	*New York*
WARD, EDWIN J.	*Maryland*
WEINKAUF, WILLIAM FERDINAND	*Michigan*
WELLS, GEORGE EDWARD	*Michigan*
WIEST, PAUL FOREMAN	*West Virginia*
WILKERSON, JAMES HERBERT	*Maryland*
WILLIAMS, MORTIMER HARRY	*Virginia*
WILSON, WILLIAM WELLFORD, Phar.D.	*Maryland*
WOLFE, JAMES CLINTON	*New Jersey*
YAEGER, LESLIE ARNO, B.S.	*Maryland*

SECOND YEAR CLASS.

Name	*State*
*ACKER, JESSICA	*Virginia*
BOLEWICKI, PETER EDWARD, A.B.	*Maryland*
BROLL, HARRY R.	*Maryland*
BUCHNESS, ANTHONY VINCENT, A.B.	*Maryland*
CHAMPE, JR., IRA PRESTON	*West Virginia*
DOSHAY, LOUIS J., A.B.	*New York*
ELZEY, FRANK WALTER, B.S.	*New Jersey*
EVANS, ARNOLD LUNDA, B.S.	*Kentucky*
EVATT, CLAY W.	*South Carolina*
FLEISCHMANN, BERTHOLD, B.S.	*New York*
FREIDUS, ELIAS	*New York*
FRITZ, JULIUS	*New York*
FULTON, WM. JAMES	*Maryland*
GINSBERG, WILLIAM, A.B.	*New York*
GOLDMANN, BERNHARD ALEXANDER,	*Pennsylvania*
GOLLICK, WILLIAM ANTHONY	*New Jersey*
GORDON, HERBERT	*New York*
GREENBAUM, LEONARD HARRY	*Maryland*
GROFF, MORRIS	*New York*
HALLEY, GEORGE CONRAD	*Maryland*
HARDMAN, CARNEY	*West Virginia*

INGRAM, DAVID NEILL.....*Pennsylvania*
*ISEAR, MILTON RODERICK.....*South Carolina*
KEEFE, GEORGE GREGORY, A.B....*Connecticut*
KERDASHA, GEORGE.....*New Jersey*
KRAGER, JOHN JOSEPH, A.B.....*Maryland*
KUNKOWSKI, ANDREW.....*Maryland*
KWILINSKI, TEOFIL S.. .....*New Jersey*
LANG, MILTON CHARLES.....*Maryland*
LAWSON, LAWRENCE WELLS, A.B. *West Virginia*
LINKE, JAMES JULIAN PAUL.....*New Jersey*
MCCOY, CECIL GLEN, A.B.....*West Virginia*
*MELENDEZ, JUAN.....*Porto Rico*
MERCIER, ALBIN SCOTT.....*Maryland*
MONSERRAT, ANTONIO.....*Porto Rico*
MORGAN, EDWARD NICHOLAS.....*New York*
NAZARIO, LORENZO.....*Porto Rico*
NOLL, LOUIS, B.S.....*Connecticut*
O'CONNOR, JOHN ANDREW, A.B.....*Maryland*
* Not in attendance the entire session.

PETERS, H. RAYMOND, A.B.....*Maryland*
PONDFIELD, LOUIS F.....*Maryland*
PULLEN, GUY FOOTE.....*Connecticut*
REESE, HARRY RANDOLPH.....*Virginia*
RHODES, BRICEY MILTON.....*Florida*
RUDISILL, JOHN DAVID, A.B....*North Carolina*
SALZBERG, ABRAHAM.....*New York*
SAPORITO, ARCHIBALD RICHARD....*New Jersey*
SEKERAK, ARTHUR JOSEPH F.....*Connecticut*
SHANNON, GEORGE EDMON.....*Maryland*
SHAPIN, SYDNEY.....*New York*
SHAPIRO, LOUIS MENDELSOHN, A.B.*Connecticut*
STERNBERG, HARRY.....*New York*
STOVIN, JOSEPH SAMUEL, Ph.B.....*Connecticut*
*SULLIVAN, EDMOND J. J.....*Maryland*
SWEET, SAMUEL WATERMAN, A.B....*New York*
TRYNIN, HYMAN.....*New York*
WARFIELD, JR., JOHN OGLE, A.B..*Pennsylvania*
WILSON, THOMAS NORWOOD, A.B.....*Maryland*

FIRST YEAR CLASS.

Name	*State*
BARTLETT, JR., CHARLES WILLIAM	*Florida*
BERKSON, NORRIS IRWIN	*Pennsylvania*
*CARNEY, CLEMENT A	*Delaware*
CORTESE, ANTHONY EDWARD	*New Jersey*
DART, FREDERICK BOND	*Connecticut*
DESANE, JOSEPH	*New York*
EDMONDS, JOHN MILTON	*Michigan*
*FINE, MORRIS AARON	*Maryland*
GILLUM, DONALD ASBURY	*Maryland*
GLASS, BENJAMIN ELMER	*New Jersey*
GOLDBERG, BEN	*New York*
GOLDBERG, CHARLES ALEXANDER	*New Jersey*
GOLDMAN, LOUIS ARCHIE	*New York*
*GRIMM, WILSON OSBORNE	*West Virginia*
GUTOWSKI, JOSEPH MATTHEW	*New Jersey*
HAGERMAN, PAUL	*West Virginia*
HARP, J. ELMER	*Maryland*
HIRSCH, PHILIP	*New York*
*HOBBS, WALTER SCOTT	*North Carolina*
*HOCHMAN, JOEL	*Maryland*
HUNDLEY, JR., JOHN TRIBLE THOS., A.B.,	*Virginia*
KEITH, MARION YATES	*North Carolina*
KAUFFMAN, AARON WILLIAM	*Pennsylvania*
KENNEY, JOSEPH R., A.B	*Pennsylvania*

* Not in attendnace the entire session.

Name	*State*
KNIPP, GEORGE A	*Maryland*
KRAUT, ARTHUR MILTON	*New Jersey*
KYPER, FREDERICK	*Pennsylvania*
LONG, IRA CLINTON, A.B	*North Carolina*
MCLEAN, HERBERT, A.B	*New Jersey*
MCVAY, EDWARD ANTHONY, A.B.	*Rhode Island*
MARSH, JAMES TOLLY, A.B	*Maryland*
MORIARTY, LOUIS	*Connecticut*
NEWCOMER, DAVID RIDENOUR, B.S.	*Maryland*
PARSON, WILLARD SIGSBEE	*Pennsylvania*
PETERMAN, JAMES ELMER	*Pennsylvania*
PONTERY, HERBERT	*New Jersey*
POVALSKI, ALEXANDER W. T	*New Jersey*
ROTHFUSS, PAUL A., B. S	*Pennsylvania*
SCHORR, RICHARD	*New York*
SHEALY, WALTER HAL, A.B	*South Carolina*
SMITH, CHARLES FRANKLIN	*Pennsylvania*
STEINCROHN, PETER JOSEPH	*Connecticut*
SUSSMAN, ABRAHAM ALLEN, D.D.S.	*Maryland*
TERRY, MILLARD GILBERT	*New York*
TOUHEY, THOMAS JOSEPH	*Delaware*
TROVINGER, JOSEPH EARL	*Maryland*
WARE, JR., HARRY HUDNALL	*Virginia*
WASSERSTROM, SIDNEY S	*New York*
WHITE, ROBERT STANISLAUS	*West Virginia*
WEINERT, HENRY VINCENT	*New Jersey*

GENERAL SUMMARY OF STUDENTS ATTENDING THE UNIVERSITY OF MARYLAND, SESSION OF 1919-20.

Department of Arts and Sciences (St. John's College)	236
Department of Medicine	244
Department of Law	395
Department of Dentistry	109
Department of Pharmacy	76
Training Schools for Nurses	210
Total	1270

GRADUATES, UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE AND COLLEGE OF PHYSICIANS AND SURGEONS
June 1, 1920

Name	*State*
Artigiani, Philibert, Phar.D.	*Maryland*
Banvard, Navy F. X.	*New Jersey*
Bernabe, Adolfo	*Porto Rico*
Billingslea, Charles Levine	*Maryland*
Brumback, Lynn Hamilton	*Virginia*
Bubert, Howard Matheson	*Maryland*
Burton, Claud Carter, B.S.	*Kentucky*
de Cardona, Nestor	*Porto Rico*
Clarken, Joseph Austin	*New Jersey*
Comas, Alfredo Calero	*Cuba*
Davidov, Nathan Jacob	*West Virginia*
DeForest, Clayce Remine	*West Virginia*
Dobihal, Louis C.	*Maryland*
Erwin, John J.	*West Virginia*
Evans, Harold Parriott	*West Virginia*
Fahndrich, Carl Gustav	*Maryland*
Finney, Roy Pelham	*Virginia*
Ginsberg, Leon	*Maryland*
Gold, Ben	*North Carolina*
Gonzalvo, Francisco A., A.B.	*Santo Domingo*
Hakim, Rattansha Merwanji	*India*
Holden, Frederick Allan	*Marylana*
Hooper, Zebulon Vance	*North Carolind*
Jackvony, Albert Humbert, Ph.C., Phar. D	*Rhode Island*
Janer, Angel	*Porto Rico*
John, Benjamin Clifford	*West Virginia*
Kaufman, Edward Leo	*West Virginia*
Kenure, James Thomas. B.S.	*Connecticut*
Kinney, James Patrick	*New York*
Knotts, Earle Paul, B.S.	*Maryland*
Kourey, Salem W.	*Maryland*
Lombard, Nicholas Thomas, Phar.D.,	*Maryland*
Lueders, Jr., William	*Maryland*
McGill, Waldo Knox, A.B.	*South Carolina*
Mackey, William K.	*West Virginia*
Marshall, Charles Benton:	*West Virginia*
Martin, William Francis	*North Carolina*
Medairy, George Curtis	*Maryland*
Metcalf, John William	*Ohio*
Orr, William Jennings Bryan,	*North Carolina*
Perry, Clayton Charles	*Pennsylvania*
Pessagno, Daniel Joseph, A.B.	*Maryland*
Ponte, Jr., Joseph Perry	*Massachusetts*
de Quevedo, Rafael Garcia	*Porto Rico*
Quintero, Ernesto	*Porto Rico*
Reese, John G. M.	*Maryland*
Richardson, Rhea Walters	*Maryland*
Rigney, Jr., Lawrence Joseph	*Delaware*
Sheppard, Jr., Henry	*North Carolina*
Skaggs, James William	*West Virginia*
Smith, Frederick Bruce	*Maryland*
Tolson, Jr., Howard L.	*Maryland*
Underwood, J. Harold	*West Virginia*
Warren, John Freeman	*New York*
White, Thomas Francis	*Delaware*
Wild, Albert	*Connecticut*
Wissig, George LeRoy	*Maryland*
Woodruff, Julian S	*North Carolina*
Zinberg, Israel Saul	*Maryland*

PRIZEMEN

University Prize—Gold Medal ..... George Curtis Medairy
Certificate of Honor ..... Louis C. Dobihal
Certificate of Honor ..... Nestor de Cardona
Certificate of Honor ..... Roy Pelham Finney
Certificate of Honor ..... Angel Janer
Certificate of Honor ..... John Freeman Warren

In the third year the Jose L. Hirsch prize of $50.00 was awarded to Oscar G. Costa for the best work in Pathology during the second and third years.

THE UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE

AND

COLLEGE OF PHYSICIANS AND SURGEONS.

As a result of the merger accomplished in 1915 the combined schools offer the student the abundant resources of both institutions, and, in addition, by earlier combination with the Baltimore Medical College, the entire equipment of three large medical colleges.

The School of Medicine of the University of Maryland is one of the oldest foundations for medical education in America, ranking fifth in point of age among the medical colleges of the United States. It was chartered in 1807, under the name of the College of Medicine of Maryland, and its first class was graduated in 1810. In 1812 the College was empowered by the Legislature to annex three other colleges or faculties, of Divinity, of Law and of Arts and Sciences, and the four colleges thus united were "constituted an University by the name and under the title of the University of Maryland."

Established thus for more than a century, the School of Medicine of the University of Maryland has always been a leading medical college, especially prominent in the South and widely known and highly honored throughout the country.

The beautiful college building at Lombard and Greene Streets, erected in 1814–1815, is the oldest structure in America devoted to medical teaching. Here was founded one of the first medical libraries and the first medical college library in the United States.

Here for the first time in America dissecting was made a compulsory part of the curriculum; here instruction in Dentistry was first given (1837), and here were first installed independent chairs for the teaching of Diseases of Women and Children (1867) and of Eye and Ear Diseases (1873).

The School of Medicine was one of the first to provide for adequate clinical instruction by the erection in 1823 of its own hospital, and in this hospital intra mural residency for the senior student was first established.

In 1913 juncture was brought about with the Baltimore Medical College, an institution of 32 years growth. By this association

the facilities of the School of Medicine were enlarged in faculty, equipment and hospital connection.

The College of Physicians and Surgeons was incorporated under the Legislative enactment in 1872 and established on Hanover Street in a building afterwards known as the Maternité, the first obstetrical hospital in Maryland. In 1878 union was effected with the Washington University School of Medicine, in existence since 1827, and the College was removed to its present location at Calvert and Saratoga Streets. By this arrangement, medical control of the City Hospital, now the Mercy Hospital, was obtained, and on this foundation in 1899 the present admirable college building was erected.

CLINICAL FACILITIES.

HOSPITALS AND DISPENSARIES.

UNIVERSITY HOSPITAL.

The University Hospital, which is the property of the Faculty of Physic of the University of Maryland, is the oldest institution for the care of the sick in the State of Maryland. It was opened in September, 1823, under the name of the Baltimore Infirmary, and at that time consisted of but four wards, one of which was reserved for eye cases. By successive additions this hospital was increased to more than fourfold its original accommodations, there being added to it a large clinical amphitheater, a students' building for the accommodation of the thirty clinical assistants, and a nurses' building for the accommodation of the pupils of the Training School for Nurses. The yearly increase in the number of patients seeking admission to the hospital, however, more than kept pace with the increase in accommodations, and the Faculty therefore erected an entirely new and modern hospital of fully double the capacity of the former building.

The University Hospital is constructed of brick and Tennessee limestone in the Colonial style of architecture, fronting 175 feet upon Lombard Street, and about the same on Greene Street. It is supplied with the most modern and approved system of heating, ventilation, etc., and equipped with all modern requirements and conveniences for the care of the sick, and for the clinical instruction of the students of the University.

It is one of the largest and finest hospitals owned and controlled by any medical school in America, and in point of architectural beauty, convenience and completeness of arrangements and equipment compares favorably with other hospitals.

An important adjunct to the hospital is the postmortem building, which is constructed with special reference to the instruction of students in pathological anatomy.

The hospital is situated opposite the University building, so that the student looses no time in passing from the lecture halls to the clinical amphitheater, dispensary and wards.

A portion of the hospital is used as a marine hospital for foreign seamen. The great importance of Baltimore as a shipping point brings into her harbor many vessels from all parts of the world, and the sick sailors who are cared for in the wards of the institution give the students an opportunity to observe a large variety of diseases. Another considerable portion of the building is used as a Municipal Hospital, and contains charity beds supported by the city of Baltimore. This department of the hospital is taxed to its utmost capacity to afford accommodations for the patients seeking admission.

Owing to its location, being the nearest hospital to the largest manufacturing district of the city, the University Hospital receives for treatment a very large number of accident cases of all kinds, both slight and serious. These cases, as well as patients suffering from the various diseases of our own climate, occupy the beds, and add greatly to the facilities of clinical teaching enjoyed by the school. The facilities for clinical instruction have been greatly enlarged by an appropriation by the State of Maryland for the support of free beds for patients from the various counties.

MERCY HOSPITAL.

The Sisters of Mercy first assumed charge of the Hospital at the corner of Calvert and Saratoga streets, then owned by the Washington University, in 1875. By the merger of 1878 the Hospital came under the control of the College of Physicians and Surgeons, but the Sisters continued their work of administering to the patients.

In a very few years it became apparent that the City Hospital, as it was then called, was much too small to accommodate the rapidly growing demands upon it. However, it was not until 1888 that the Sisters of Mercy with the assistance of the Faculty of the College of Physicians and Surgeons, were able to lay the corner stone of the present Hospital. This building was completed and occupied late

in 1889. Since then the growing demands for more space has compelled the erection of additions until now there are accommodations for 351 patients.

In 1909 the name was changed from The Baltimore City Hospital to Mercy Hospital.

Mercy Hospital is located in the center of a city of 750,000 inhabitants and is under the exclusive medical control of the College of Physicians and Surgeons. It adjoins the College building and all surgical patients from the public wards are operated upon in the College operating rooms. This union of the Hospital and College buildings greatly facilitates the clinical teaching, as there is no time lost in passing from one to the other.

Mercy Hospital is the hospital of the United Railways and Electric Company of Baltimore City, and receives patients from the Baltimore and Ohio Railroad Company and from the Pennsylvania Railroad Company and its branches.

During the calendar year of 1919 there were treated in the various departments of this hospital more than 20,000 people.

THE MARYLAND GENERAL HOSPITAL.

The Maryland General Hospital, situated at Madison Street and Linden Avenue, has a capacity of 175 beds, and furnishes a large amount of clinical material, which is under the control of the Faculty of Physic for teaching purposes.

A new operating suite has just been completed, modern in every particular and adapted to the teaching of small sections of students. The Hospital has been remodeled throughout and new wards added at a cost of $50,000. The hospital treated during the last calendar year 3417 patients in the ward and 7175 outdoor patients. One thousand eight hundred and twenty-three surgical operations were performed.

The hospital receives appropriations from the State of Maryland and the City of Baltimore for the support of charity cases.

FRANKLIN SQUARE HOSPITAL.

The Franklin Square Hospital has a capacity of 112 beds. During the year ending December 31, 1919, 1505 cases were treated in the hospital, and 2730 patients were treated in the dispensary. Ten hundred and thirty-nine surgical operations were performed in the hospital.

LYING-IN HOSPITALS.

MATERNITY HOSPITAL OF THE UNIVERSITY OF MARYLAND.

This institution is also the property of the Faculty of Physic and under its exclusive control and direction, and is conducted with the special purpose of furnishing actual obstetrical experience to each member of the graduating class.

New accommodations have been provided in the general hospital, and the Maternity Department now offers better facilities than ever before, while the large increase in clinical material has made it possible to offer excellent opportunities for post-graduate work.

MARYLAND LYING-IN HOSPITAL.

This hospital adjoins the Maryland General Hospital and furnishes an abundance of clinical material, which is under the control of the Faculty of Physic.

THE WEST END MATERNITY.

The West End Maternity adjoins the Franklin Square Hospital and furnishes an abundance of clinical material, which is under the control of the Faculty of Physic.

OUT-PATIENT CLINIC AND DISPENSARY.

In connection with the University Hospital an out-door obstetrical clinic is conducted, in which every case has careful prenatal supervision, is attended during labor by a graduate physician and graduate nurse—one senior student also being present—and is visited during the puerperium by the attending student and graduate nurse. Careful prenatal, labor and puerperal records are kept, making this work of extreme value to the medical student, not only from the obstetrical standpoint, but in making him appreciate the value of social service and public health work.

NUMBER OF PATIENTS.

During the year ending December 31, 1919, the number of patients treated in the Lying-In hospitals connected with the School was as follows:

Number of Confinements in Hospitals	1010
Number of Confinements Out-Patient Department	775
Average number of cases seen by each student of the graduating class	15

THE MUNICIPAL HOSPITALS—BAY VIEW.

The clinical advantages of the University have been largely increased by the liberal decision of the Board of Supervisors of City Charities to allow the immense material of these hospitals to be used for the purpose of medical education. There are daily visits and clinics in medicine and surgery by the Staff of the hospitals. The autopsy material is unsurpassed in this country in amount, thoroughness in study, and the use made of it in medical teaching.

The Municipal Hospitals consist of the following separate hospitals:

The General Hospital, 160 beds.

The Hospital for Chronic Cases, 88 beds.

The Municipal Hospital for Tuberculosis, 190 beds.

City Detention Hospital for Insane, 450 beds.

THE PRESBYTERIAN EAR, EYE AND THROAT CHARITY HOSPITAL.

This institution was founded in 1877, through the efforts of late Dr. J. J. Chisolm, then Professor of Diseases of the Eye and Ear in the University of Maryland. It is one of the largest special hospitals in the country.

During the year 1919 there were admitted to the Dispensary and Hospital 10507 persons.

The Dispensary and wards of this hospital afford ample facilities for the study of diseases of the eye, ear, nose and throat.

Professor Woods and Dr. Looper are members of the staff, and the clinics are at all times open to the students of the University of Maryland.

THE JAMES LAWRENCE KERNAN HOSPITAL AND INDUSTRIAL SCHOOL OF MARYLAND FOR CRIPPLED CHILDREN.

This institution contains seventy-five beds for the active treatment of deformities. It is situated at "Radnor Park," a colonial estate of sixty-five acres at Hillsdale, one mile from the western city limits, reached by trolley.

This institution has city, state, endowed and private beds and every modern facility for the treatment of orthopedic cases as well as a most beautiful park-like environment and farm, and is closely affiliated with the University of Maryland.

ST. VINCENT'S INFANT ASYLUM.

The facilities of this institution, containing 250 infants and children, have been kindly extended to the University of Maryland by the Sisters of Charity. This large clinic enables this school to present to its students liberal opportunities for the study of diseases of infants and children.

INSTITUTIONS FOR THE TREATMENT OF THE INSANE AND FEEBLE MINDED.

The Sheppard and Enoch Pratt Hospital for the Insane. This institution is one of the most modern hospitals for the treatment and care of the insane in this country. It is well endowed and its superintendent is Dr. Edward N. Brush, Professor of Psychiatry at the University of Maryland. In this hospital intensive treatment and study of mental diseases is carried on, a large number of the patients entering voluntarily. The students under the direction of Dr. Brush and his assistants in a series of clinics are shown the early manifestations and the various stages of mental diseases, the methods of treatment, and their effects.

Mount Hope Retreat for the Insane. This hospital contains an average of 750 patients and is attended by Dr. Chas. G. Hill, Professor of Psychiatry of this faculty. Under the direction of Dr. Hill and his assistants the students are given opportunity for the study of large groups of patients showing all phases of various mental and nervous disorders.

DISPENSARIES.

The three dispensaries associated with the University Hospital, the Mercy Hospital and the Maryland General Hospital are organized upon a uniform plan in order that the teaching may be the same in all. Each dispensary has the following departments: Medicine, Surgery, Children, Eye and Ear, Genito-Urinary, Gynecology, Gastro-Enterology, Neurology, Orthopedics, Proctology, Dermatology, Throat and Nose, and Tuberculosis.

All students in their junior year work in the departments of Medicine and Surgery each day in one of the dispensaries.

All students in their senior year work in the special departments one hour each day.

Some idea of the value of these dispensaries for clinical teaching is shown by the number of patients treated. For the year 1919 about forty-five thousand visits were made to the dispensaries.

In addition to these the Dental Department, situated upon the grounds of the University, conducts a daily clinic which is open to medical students.

University Hospital Dispensary Report, January 1, to December 31, 1919. J. A. Skladowski, M.D., Dispensary Physician.

	OLD CASES	NEW CASES	TOTAL
Eye and ear	1,962	1,177	3,139
Skin	2,054	1,670	3,724
Medicine	1,400	815	2,215
Obstetrics	1,999	1,072	3,071
Surgery	2,059	875	2,934
Children	801	545	1.346
Neurology	1,262	198	1,460
Gynecology	811	750	1,561
Genito-urinary	1,346	428	1,774
Stomach	281	81	362
Orthopedics	739	106	845
Nose and throat	220	429	649
Tuberculosis	206	149	355
Rectal	43	36	79
	15,183	8,331	23,514

Mercy Hospital Dispensary Report, January 1, to December 31, 1919. B. S. Hanna, M.D., Dispensary Physician

	NEW CASES	OLD CASES	TOTAL VISITS
Surgery	252	616	868
Genito-urinary	1,822	9,389	11,211
Stomach	95	183	278
Nose and throat	149	227	376
Skin	65	55	120
Diseases of women	139	156	295
Nervous diseases	85	113	198
General medicine	330	203	533
Proctology	4	10	14
Eye and ear	162	134	296
Orthopedic	26	36	62
Dental	10	9	19
	3,139	11,131	14,270

Maryland General Hospital Dispensary Report, March 1, 1918, to March 1, 1919. Emma N. Belbot, Ph.G., Registrar.

	NEW CASES	OLD CASES	TOTAL
Surgery	635	782	1,417
Medicine	463	830	1,293
Genito-urinary	380	678	1,058
Neurology	54	85	139
Eye and ear	475	780	1,255
Gynecology	270	246	516
Pediatrics	136	246	382
Skin	128	250	378
Nose and throat	103	285	388
Proctology	30	48	78
Stomach	81	65	146
	2,755	4,295	7,050

LABORATORIES.

ANATOMICAL LABORATORIES.

These laboratories are in charge of the Professor of Anatomy and his assistants. The University has recently built its own storage and embalming plant, which supplies an abundance of anatomical material. Dissecting tickets must be countersigned as evidence of satisfactory dissecting. Anatomical material is furnished in abundance, free of charge.

LABORATORY OF EXPERIMENTAL PHYSIOLOGY.

This laboratory occupies the first floor of Gray Laboratory; it includes a large student laboratory, with capacity of forty students, a room completely equipped for mammalian experimentation, a stock-room, and an office for the professor in charge. Within the same building there is an animal room in which there is kept a constant supply of material for experimentation and demonstration. The laboratory is equipped with ample apparatus: there is a complete set of student apparatus available for each group of two students, while the special apparatus for laboratory experimentation and class-room demonstration is adequate for the needs of the courses.

LABORATORY OF PHYSIOLOGICAL CHEMISTRY.

The second year class is given practical instruction in the chemistry of the sugars and proteins as well as a detailed course in the chemistry of the various secretions. The experiments performed by each student are adapted to illustrate not only the physiological but also the pathological conditions which may result in various diseases from perverted metabolism. The chemistry of the food stuffs and its practical bearing upon diet is especially dwelt upon. The course is essentially practical, including only so much theoretical physiology as is necessary for proper knowledge of the subject. Graduates and advanced students competent to undertake such work, who desire to pursue special chemical investigation, are given the opportunity under suitable regulations.

LABORATORY OF HISTOLOGY AND EMBRYOLOGY.

This laboratory is fully equipped for teaching Histology and Embryology.

There is a large collection of charts, specimens and apparatus used in teaching. The necessary equipment for the practice of technique is provided.

LABORATORIES OF PATHOLOGY AND BACTERIOLOGY.

The subject of special bacteriology is taught during a portion of the second year in a well equipped laboratory containing sterilizers, water baths, and other necessary equipment for this purpose.

The subject of histopathology is also taught during the second year in a properly equipped laboratory. The details concerning this work are described under the subject of Department of Pathology and Bacteriology.

The instruction in gross pathology is obtained during the third year by attendance upon the autopsies at the University Hospital, the Mercy Hospital, and the Maryland General Hospital, and special instruction in this subject is also given by demonstrations with a large amount of pathological material at the City Hospitals situated at Bay View. The subject of gross pathology is also taught in the third year by means of lectures and demonstrations to sections of the third year class and a special effort is made to apply this subject to the explanation of the symptoms and clinical signs of disease. The instruction in autospy technique is also given personally to small groups of students.

LABORATORIES OF CLINICAL PATHOLOGY.

These laboratories are fully equipped for the study of practical laboratory work in its relationship to clinical medicine. Each student is supplied with a locker, containing sufficient apparatus for any ordinary examination.

The wards and out-patient departments of the hospitals furnish an abundance of material for study.

By reason of individual equipment, much work outside of class hours is expected of the student.

The class rooms are adequately lighted, and are conveniently situated for teaching purposes.

LIBRARIES.

The University Library, founded in 1813 by the purchase of the collection of Dr. John Crawford, now contains 14,118 volumes, a file of 58 current journals, and several thousand pamphlets and reprints. During the year ending December 31, 1919, 168 volumes were added. It is well stocked with recent literature, including books and periodicals of general interest. The home of the Library is Davidge Hall, a comfortable and commodious building in close proximity to the class rooms and the laboratories of the Medical Department. The Library is open daily during the year, except in August, for use of members of the Faculty, the students, and the profession generally.

Other libraries of Baltimore are the Peabody (181,000 volumes), the Enoch Pratt Free Library (355,817 volumes) and the Library of the Medical and Chirurgical Faculty. The last named library receives the leading medical publications of the world, and complete sets of many journals are available.

The libraries are open to students of the Medical School without charge.

The proximity of Washington puts the immense libraries of the national capital at the disposal of students of this school.

THE MUSEUM.

The museum occupies a separate apartment in the main building. It is under the care of the curator and his assistants. It contains a large collection of anatomical preparations, plaster casts,

charts, models, etc., used in teaching anatomy. It contains also a number of specimens of comparative anatomy. There is a large collection of gross pathological specimens and cut sections mounted for demonstration. For the department of obstetrics, there is an excellent collection of normal and abnormal human embryos.

ANNUAL APPOINTMENTS.

On February first of each session the following annual appointments are made from among the graduates of the school.

TO THE UNIVERSITY HOSPITAL

Medical Superintendent.
Five Senior Residents, viz:
  Two Resident Surgeons.
  One Resident Physician.
  One Resident Gynecologist and Obstetrician.
  One Resident Pathologist.
Thirteen Junior Residents on a rotating service.

A number of students are appointed each year, at the close of the session, as Clinical Assistants in the University Hospital for the summer months.

TO THE MERCY HOSPITAL.

Medical Superintendent.
Six Resident Surgeons.
Five Resident Physicians.
One Resident Gynecologist.
One Resident Obstetrician.
Two Accident Service Residents.
One Ambulance Surgeon.

TO THE MARYLAND GENERAL HOSPITAL.

Medical Superintendent.
Four Senior Residents, viz.:
  One Resident Surgeon.
  One Resident Physician.
  One Resident Gynecologist.
  One Resident Obstetrician.
Eight Junior Residents on a rotating service.

Each resident serves a term in every department, including the pathological laboratory and the Maryland Lying-In Hospital.

Many appointments to other hospitals of Baltimore are made annually, to which graduates of this school are eligible.

REQUIREMENTS FOR MATRICULATION.

Admission to the course in medicine is by a completed Medical Student Certificate issued by the State Department of Education of Maryland. This certificate is obtained from the Department of Education on the basis of satisfactory credentials, or by examination and credentials, and is essential for admission to any class.

The requirements for the issuance of the Medical Student Certificate are:

(a) The completion of a standard four-year high school course or the equivalent, and in addition,

(b) Two years or sixty semester hours of college credits, including chemistry, biology, physics, and English.

Women are admitted to the Medical Department of this University.

(A) DETAILS OF THE HIGH SCHOOL REQUIREMENT.

1. Graduation from an accredited high school after pursuing a four-year course based upon an eight-year elementary course or its full equivalent; or

2. Successfully passing entrance examinations in the following subjects:

(a) Required Eleven (11) Units

	Units
English 4 years	3
Elementary and Intermediate Algebra	1
Plane Geometry (first five books)	1
Two years of a foreign language	2
Two of the three sciences—Biology, Chemistry, Physics	2
American History and Civics	1
Ancient History or English History	1

(b) Electives, Four (4) Units

(1) History and Political Science:	
Ancient History or English History	1
Mediaeval and Modern History	1 or ½
General History	1 or ½
Civics	½
Economics	½

(2) Language:

French 2 years	2
German 2 years	2
Greek 2 years	2
Hebrew 2 years	2
Italian 2 years	2
Latin 1 or 2 years	1 or 2
Spanish 2 years	2

(3) Mathematics:

Advanced Arithmetic	½
Advanced Algebra	1
Plane Trigonometry	½
Solid Geometry	½

(4) Science:

Physics, Biology or Chemistry	1
Physical Geography and Geology	1
Astronomy	½
Physiology and Hygiene	½

(5) Vocational and cultural subjects:

Agriculture	1
Bookkeeping	1
Commercial Geography	½
Domestic Science	1
Drawing { Mechanical 1 and 2	½ each
Drawing { Freehand 1 and 2	½ each
Manual Training	1
Music	1
Stenography	1 or 2

One unit in any subject is the equivalent of work in that subject for five periods per week for a year of at least thirty-six weeks, periods to be not less than forty-five minutes in length. One unit is equivalent to 2 semester credits or 2 points.

(B) DETAILS OF THE COLLEGE REQUIREMENT.

a. The preliminary college course shall extend through two college sessions of at least thirty-two weeks each of actual instruction, including final examinations.

b. In excellence of teaching and in content, the work of this preliminary college course shall be equal to the work done in the freshman and sophomore years in standard colleges and universities.

c. This preliminary college course shall include courses in physics, chemistry, biology, and English, each course to embrace at least six, eight or twelve hours of work in each subject, as shown in the schedule following.

SCHEDULE OF SUBJECTS OF THE TWO-YEAR PRE-MEDICAL COLLEGE COURSE.

Sixty Semester Hours Required

	Semester Hours
REQUIRED COURSES:	
Chemistry (a)	12
Physics (b)	8
Biology (c)	8
English Composition and Literature (d)	6
COURSES STRONGLY URGED:	
A modern foreign language.	
Comparative vertebrate anatomy	
Psychology	
Social science	

A semester hour is the credit value of sixteen weeks' work consisting of one lecture or recitation period per week, each period to be of not less than fifty minutes' duration net, at least two hours of laboratory work to be considered as the equivalent of one lecture or recitation period.

(a) CHEMISTRY. Twelve semester hours required, of which at least eight semester hours must be in general inorganic chemistry, including four semester hours of laboratory work. In the interpretation of this rule, work in qualitative analysis may be counted as general inorganic chemistry. The remaining four semester hours required shall consist of work in organic chemistry.

(b) PHYSICS. Eight semester hours required, of which at least two must be laboratory work. This course presupposes a knowledge of plane trigonometry.

(c) BIOLOGY. Eight semester hours required, of which four must be laboratory work. This requirement may be satisfied by a course of eight semester hours in either general biology or zoology, or by courses of four semester hours each in zoology and botany, but not by botany alone. The requirement may be satisfied also by 6 semester hours of college biology, including three semester hours in laboratory work, if preceded by a year (one unit) of high school biology.

(d) ENGLISH COMPOSITION AND LITERATURE. The usual introductory college course of six semester hours, or its equivalent, is required.

POST-GRADUATE STUDENTS.

Graduates in medicine desiring to take the work of the senior year without being candidates for the degree and, therefore, without

examination, may receive a certificate of attendance on completing the full course satisfactorily.

The requirements for graduates in medicine admitted to the fourth year class as candidates for the degree of Doctor of Medicine are the same as those enforced against undergraduates admitted to advanced standing.

COMBINED COURSE IN ARTS AND MEDICINE.

Students who have completed the junior year in our School of Liberal Arts and who have made an approved choice of electives may, if they desire, do the entire work of the senior year in the medical school of the University. If they successfully complete the work of the first medical year they are graduated with their class with the degree of Bachelor of Arts.

By taking advantage of this privilege a man may complete the Undergraduate and Medical courses in seven years.

During three of these years or until he has completed the work of the junior class he is a resident student in the School of Liberal Arts at College Park, Maryland and for four years he is a student in the Medical School in Baltimore.

At the end of the fourth year he receives the A.B. degree, and at the end of the seventh year the M.D. degree, but credit from the Medical School cannot be accepted in subjects for which credit has already been given in the School of Liberal Arts.

The same privilege is allowed students of St. John's College, Annapolis, Maryland.

Special premedical courses have been arranged in our School of Liberal Arts at College Park and also by St. John's College at Annapolis.

RULES.

1. Tickets for practical anatomy must be countersigned by the proper demonstrators. Unless properly countersigned, a ticket will not be accepted as evidence of a completed course.

2. All students are required to stand the spring examinations unless excused by the Dean. No student will be permitted to advance from a lower to a higher class with conditions.

3. Should a student be required to repeat any year in the course he must pay regular fees.

4. A student failing in final examination for graduation at the end of the fourth year will be required to repeat the entire course of the fourth year and to take examinations in such other branches as may be required, should he be again permitted to enter the school as a candidate for graduation.

5. The general fitness of a candidate for graduation will be taken into consideration by the Faculty as well as the results of his final examination.

All the above rules, as well as the fees stated below, relate to the year ending June 1, 1921, only. The right is reserved to make changes in the curriculum, requirements for graduation, fees and all the regulations whenever the Faculty deem it expedient.

FEES.

Matriculation fee (paid each year)	$5.00
Tuition fee (each year)	210.00

There will be no extra fees. No fees are returnable.

Tuition fees are due and payable during October.

The above fees apply to all students who matriculate in this institution in any class for the session beginning October 1, 1920.

SPECIAL COURSES.

Anatomy		$50.00
Physiology		50.00
Pathology		50.00
Embryology		50.00
Bacteriology		50.00
Physiological Chemistry		50.00
Pharmacology		50.00
Clinical Laboratory (four months)		100.00
X-Ray (four months)		100.00
Orthopedic Surgery (four months)		100.00
Genito-Urinary Diseases (four months)		100.00
Gynecology and Gynecological Pathology		100.00–150.00
Obstetrics, Out-door	6 weeks	$25.00
	4 months	50.00
Out-Door and In-Door	6 weeks	50.00
	4 months	100.00
Surgery: Clinical Surgery, Operative Surgery, Surgical Pathology		By arrangement
Medicine		By arrangement

If the courses are taken during holidays or if special supervision is desired or additional material required, the charge is made accordingly.

FACULTY PRIZE.

To stimulate study among the candidates for graduation, the Faculty offers a Gold Medal to the candidate who passes the best general examination. Certificates of Honor are awarded to the five candidates standing next highest.

JOSE L. HIRSCH PRIZE.

A prize of $50.00 is given each year by Mrs. Jose L. Hirsch as a memorial to the late Jose L. Hirsch, formerly Professor of Pathology in this school, to the student in the third year who has done the most satisfactory work in Pathology.

SCHOLARSHIPS.

The Dr. Samuel Leon Frank Scholarship.

This scholarship, established by Mrs. Bertha Rayner Frank as a memorial of the late Dr. Samuel Leon Frank, an alumnus of this University, entitles the holder to exemption from the payment of the tuition fee of that year.

It is awarded by the Trustees of the Endowment Fund of the University in each year upon nomination of the Faculty of Physic, "to a medical student of the University of Maryland, who, in the judgment of said Faculty, is of good character and in need of pecuniary assistance to continue his medical course."

This scholarship is awarded to a second, third or fourth year student only, who has successfully completed one year's work in the medical course, and no student may hold such scholarship for more than two years.

The Charles M. Hitchcock Scholarships.

From a bequest to the School of Medicine by the late Charles M. Hitchcock, M.D., an alumnus of the University, two scholarships have been established which entitle the holders to exemption from payment of tuition fees for the year.

These scholarships are awarded annually by the Faculty of Physic to students who have meritoriously completed the work of at least the first year of the course in medicine, and who present to the Faculty satisfactory evidence of good moral character and of inability to continue the course without pecuniary assistance.

The Randolph Winslow Scholarship.

This scholarship, established by Prof. Randolph Winslow, M.D., LL.D., entitles the holder to exemption from the payment of the tuition fee of that year.

It is awarded annually by the Trustees of the Endowment Fund of the University, upon nomination of the Faculty of Physic, to "a needy student of the Senior, Junior, or Sophomore Class of the Medical School.

"He must have maintained an average grade of 85% in all his work up to the time of awarding the scholarship.

"He must be a person of good character and must satisfy the Faculty of Physic that he is worthy of and in need of assistance."

The University Scholarships.

Two Scholarships are awarded by the University. One to a student of the Department of Liberal Arts appointed by the president; the other, which entitles the holder to exemption from payment of the tuition fee of the year, is awarded annually by the Faculty of Physic to a student of the Senior Class who presents to the Faculty satisfactory evidence that he is of good moral character and is worthy of and in need of assistance to complete the course.

The St. John's Scholarship.

This scholarship is awarded annually by the Faculty of Physic upon the nomination of the President of St. John's College.

It entitles the holder to exemption from the payment of the tuition fee of that year.

Frederica Gehrmann Scholarship.

This scholarship was established by bequest of the late Mrs. Frederica Gehrmann and entitles the holder to exemption from payment of tuition fees. This scholarship is awarded to a second year student who at the end of the year passes the best practical examination in Anatomy, Physiology, Physiological Chemistry and Pharmacology.

NOTICE TO STUDENTS.

The personal expenses of students are at least as low in Baltimore as in any large city in the United States. The following estimates of student's personal expenses for the academic year of eight months have been prepared by students, and are based upon actual experience:

ITEMS	LOW	AVERAGE	LIBERAL
Books	$27	$48	$75
College Incidentals	20	20	20
Board, eight months	200	250	275
Room rent	64	80	100
Clothing and laundry	50	80	150
All other expenses	25	50	75
Total	$386	$529	$695

Students will save time and expense upon their arrival in the city by going direct to the School of Medicine on the University grounds, N. E. corner of Lombard and Greene Streets, where the Superintendent of Buildings, who may be found at his office on the premises, will furnish them with a list of comfortable and convenient boarding houses suitable to their means and wishes.

The Dean will, if desired, attend to the collection of checks and drafts for students.

For further information apply to

J. M. H. Rowland, M.D., *Dean*,
Lombard and Greene Streets.

ORGANIZATION OF THE CURRICULUM.

The following curriculum is the result of a recent and thorough revision of teaching in this school in order to meet modern requirements. The multiplication of specialties in medicine and surgery necessitates a very crowded course and the introduction of electives will very soon be depended on to solve some of the difficulties.

The curriculum is organized under eleven departments

1. Anatomy (including Histology and Embryology).
2. Physiology.
3. Chemistry including Physiological Chemistry.
4. Pharmacology and Materia Medica.
5. Pathology.
6. Bacteriology.
7. Medicine (including Medical Specialties).
8. Surgery (including Surgical Specialties).
9. Obstetrics.
10. Gynecology.
11. Ophthalmology and Otology.

The instruction is given in four years of graded work.

Several courses of study extend through two years or more, but in no case are the students of different years thrown together in the same course of teaching.

The first and second years are devoted largely to the study of the structures and functions of the normal body, and laboratory work occupies most of the student's time during these two years.

Some introductory instruction in Medicine and Surgery is given in the second year. The third and fourth years are almost entirely clinical.

A special feature of instruction in the school is the attempt to bring together teacher and student in close personal relationship. In many courses of instruction the classes are divided into small groups and a large number of teachers insures attention to the needs of each student.

In many courses the final examination as the sole test of proficiency has disappeared and the student's final grade is determined largely by partial examinations, recitations and assigned work carried on throughout the course.

ARRANGEMENT OF CLASSES.

All the teaching of the freshman class is done at Calvert and Saratoga Streets. All the teaching of the sophomore class is done at Lombard and Greene Streets.

The junior class has three hours of didactic teaching each morning. For clinical instruction and laboratory work this class is divided into two sections and the year into semesters. Each section will work

for one semester at the University Hospital and one semester at Mercy Hospital.

The senior class is divided into three sections and for this class the year is divided into trimesters. Each section receives clinical instruction for one trimester in the University Hospital, the Mercy Hospital and the Maryland General Hospital. In the afternoon the whole class is assembled and has two hours of didactic teaching each day.

This distribution of the classes is made in order to utilize to the best advantage the laboratory space and to bring the students into daily contact with patients in all three of the large hospitals and dispensaries.

DEPARTMENT OF ANATOMY INCLUDING HISTOLOGY AND EMBRYOLOGY.

C. L. Davis, M.D.....Professor of Anatomy
Tilghman B. Marden, A.B., M.D.,
Professor of Histology and Embryology and Assistant in Anatomy
J. S. Holland, M.D.....Associate Professor of Anatomy
Wm. B. Dalton, M.D.....Assistant in Anatomy
M. J. Hanna, M.D.....Assistant in Anatomy

First Year. *Didactic.* Five hours each week for thirty-two weeks. Each day, preceding the laboratory period, a quiz and demonstration of from 40 to 50 minutes is held, covering the laboratory work for the day.

Laboratory. Eighteen hours each week for sixteen weeks. Twelve hours each week for sixteen weeks. This course includes a complete dissection of the human body, including the central nervous system. Abundance of good material is furnished and the student is aided in his work by competent demonstrators. Practical examinations are held at frequent intervals throughout the session and each student will be held to strict account for material furnished him. Each student is furnished a skeleton and a deposit is required to insure its return in good condition at the end of the session.

Second Year. *Didactic.* Two hours each week for sixteen weeks. Lectures, recitations and conferences.

Laboratory. Thirteen hours each week for sixteen weeks. This course is devoted exclusively to topographical and applied anatomy with special demonstrations of important subjects. It is supplemented by means of charts, diagrams and special dissections.

Histology.

First Year. Lectures, recitations and laboratory work, nine hours each week during first semester; three hours each week during second semester. The most important part of the work will be done in the laboratory, where each student will be provided with a microscope, apparatus, staining fluids and material necessary for the preparation of specimens for microscopical examination. An important aid to the course is the projection microscope which is used for the projection upon a screen of magnified images of the specimens actually used in the laboratory.

A large number of completely prepared sections are loaned to the students for study. This materially reduces the time otherwise required by the student for the preparation of sections and insures the best possible class of material for study.

Embryology.

Lectures, recitations and laboratory work; six hours each week during the second semester.

This course includes the study of the development of the chick, and the fundamental principles of mammalian embryology. In the laboratory, the hen's egg will be studied in its various stages of development, and sections of the chick at different periods of incubation will be made and studied microscopically. The latter part of the course will be devoted to the study of sections through different regions of a mammal.

Special emphasis is laid upon the development in the human.

DEPARTMENT OF PHYSIOLOGY.

Bartgis McGlone, A.B., Ph.D. ..... Professor of Physiology
Charles C. Conser, M.D. ..... Associate Professor of Physiology
F. K. Nickols, M.D. ..... Assistant in Physiology

The course in Physiology extends throughout the First and Second Years. It consists of a series of lectures, covering the field of human physiology, laboratory work, demonstrations, and frequent recitations. It is constantly in the mind of the department that this course is introductory to the study of medicine. The recitations cover the subject-matter of the lectures and the experiments performed in the laboratory.

First Year. 1. This course includes lectures and recitations upon the physiology of the blood and circulation, respiration, muscle and nerve, a portion of the central nervous system, and special senses, and such chemical and physical facts as are necessary for a proper understanding of the physiology taught. Two lectures and a recitation weekly throughout the year. Dr. McGlone.

Second Year. 2. *Didactic instruction.* Duing this year the remaining topics of physiology are covered by lectures and demonstrations. As in the first year frequent recitations will be held. The subject-matter includes the physiology of digestion and secretion, nutrition, metabolism, internal secretion, and the cranial central nervous system. Lectures, demonstrations, and recitations, three hours per week. Dr. McGlone, assisted by Dr. Conser.

3. *Experimental Physiology.* This is a laboratory course in the dynamics of muscle and nerve, studies in circulation and respiration, and physiology of the special senses. Apart from the acquisition of the facts of physiology, the student is taught to observe accurately, record carefully the results of his observations, and from these results draw an independent conclusion. He is also trained in the use of instruments which are of value to him in his clinical years. Three hours weekly throughout the year. Drs. McGlone and Conser.

4. *Elective Course in Physiological Technique.* This course is offered to Sophomores. Three hours per week. Second semester.

5. *Special Mammalian Physiology.* This is a Laboratory course intended for advanced Laboratory students (optional) who may wish to do special work in this line of physiology. Hours to be arranged. Dr. McGlone.

6. *Research in Physiology.* Properly qualified students will be admitted to the laboratory, which is well adapted for post-graduate study and special research. Hours will be arranged to suit individuals. Dr. McGlone.

PHARMACOLOGY AND MATERIA MEDICA.

William Henry Schultz, Ph.B., Ph.D.....Professor of Pharmacology
Q. Glenn Harne, A.B.....Associate Professor of Pharmacology

1. *Pharmacology.* Materia Medica and Prescription Writing Required of all Second year medical students, first eight weeks of the first semester.

This course is a prerequisite to all other courses in Pharmacology. Special emphasis is laid upon laboratory methods of observation and of intelligent note-taking. The essentials of prescription writing are taught and the student is introduced to the official pharmacopoeal preparations.

Not only is the student taught intelligently to use the United States Pharmacopoea and the National Formulary, but the principles underlying the establishing of some of the most practical receipts are attacked from a didactic point of view.

2. *Systematic Pharmacology.* Required of all second year medical students. Three hours a week during the year, two lecture periods and one period for quiz and general conferences. Special care is taken to adapt the material to the practical needs of the medical student. Emphasis, however, is laid upon the pharmacological action of drugs as a pure science in order that a critical attitude toward drugs may be instilled. As the student masters the pharmacology of an important drug, its dosage, incompatibilities, and practical applications are driven home by systematic assignments of prescription writing, quizes, and conferences.

3. *Phamacodynamics.*—Second semester. Required of all second year medical students. Prerequisite pharmacology 1.

The course runs parallel with pharmacology 2. Being a laboratory course it furnishes much didactic material used in the class conferences and lectures of pharmacology No. 2.

As the student's ability in handling biological material develops, experiments involving the more difficult technic of pharmacological experimentation are introduced. Special emphasis is laid upon the student's ability to handle live tissues and to make first-hand observations of a given drug's action, regardless of what standard textbooks teach.

Class conferences, discussions, and the reading of assigned papers are used to supplement the laboratory and lecture. In these conferences the professor in charge attempts to summarize the class work as a whole thereby properly coördinating it. It is by these means that the student acquires a critical and scientific attitude toward *official* and *new and non-official remedies.* The study is limited for the most part to such drugs as are known to have a definite pharmacological action and therapeutic value.

4. *Special Pharmacodynamics.* (Credit according to work done.)

This course is open to advance students and special workers who desire advanced training, or who wish to pursue some special prob-

lem in Pharmacology or Toxicology. Hours to be arranged. Professor Schultz.

5. *Research in Pharmacology and Chemo-Therapy.* Properly qualified students are admitted to the laboratory with a view to their carrying on original investigations in drug action. The newly equipped laboratories are well adapted for post-graduate study and research in Pharmacology. Hours will be arranged to suit the applicant. Professor Schultz.

DEPARTMENT OF PATHOLOGY.

Standish McCleary, M.D..... Professor of Pathology
Hugh R. Spencer, M.D..... Professor of Pathology
Frank W. Hachtel, M.D.....Associate Professor of Pathology
Wm. J. Carson, M.D.....Associate in Pathology
Sydney Cone, M.D.....Associate in Pathology
Wm. Greenfeld, M.D.....Assistant in Pathology
L. Getz, M.D.....Assistant in Pathology

Courses of instruction in pathology are given during the second, third and fourth years. The courses are based on previous study of normal structures and functions and aim to outline the natural history of disease. The instruction is made as practical as possible that the student may become familiar with the appearance of organs and tissues in disease and may be able to correlate anatomical lesions with clinical symptoms and signs.

1. General Pathology and Histo-pathology. This course is given to second year students, it includes the study and demonstration of disturbances of the body fluids, disturbances of structure, nutrition and metabolism of cells, disturbances of fat, carbohydrate and protein metabolism, disturbances in pigment metabolism, inflammation and tumors. The laboratory course consists in a daily preliminary lecture, after which the student is given microscopical sections for study. Gross material from autopsy and from the museum is demonstrated in conjunction with the microscopical study.

2. Applied Pathology including Gross Morbid Anatomy and Morbid Physiology. Third year students: In this course the special relationship of the gross and microscopical lesions to clinical symptoms and signs are emphasized. Fresh material from autopsy collected at the various hospitals, is demonstrated and supplemented by a study of the respective autopsy protocols.

Special stress is laid upon the study of the infectious diseases and where possible the causative agents are studied.

3. Autopsies. Third year. Autopsy technic is taught to small groups of students by special instruction at autopsies performed at the various hospitals. Students are required to assist at the autopsy, study the organs, examine the microscopical sections, make cultures and prepare autopsy protocols.

4. Clinical Pathological Conference. Fourth year. Material from autopsies is studied with reference to the clinical history and gross and microscopical anatomy, the course is illustrated with sections of fixed material or lantern slides.

5. Advanced Work in Pathology. Properly qualified students will be permitted to carry out advanced or research work along the lines of experimental pathology. Adequate space and equipment is available.

DEPARTMENT OF BACTERIOLOGY AND IMMUMOLOGY.

Wm. Royal Stokes, M.D., Sc.D.....Professor of Bacteriology
Frank W. Hachtel, M.D.....Associate Professor of Bacteriology
Wm. Greenfeld, M.D.....Associate in Bacteriology
Wm. J. Carson, M.D.....Associate in Bacteriology

Instruction in special bacteriology is given in the laboratory to the students of the first year during one semester. This includes the various methods of sterilization and preparation of culture material, the study of pathogenic microörganisms of vegetable origin, and the bacteriological study of water, milk, sewage, and other such materials. The bacteriological diagnosis of the infectious diseases is also included in this course. Animal inoculations and autopsies are performed in connection with the bacteria studied and diagnoses by means of serum reactions are also given. In the third year the various animal parasites are demonstrated and the diseases produced by these organisms studied by means of gross specimens, stained sections and lantern slides. The principles of general bacteriology are taught in didactic lectures given once a week throughout the entire first year, and these lectures include the structure of bacteria, the various facts concerning their biological properties, infection and immunity.

The general principles of immunology are described in a weekly lecture to the second year class throughout the entire year and practical experiments in immunology are demonstrated to the second year class in laboratory sessions of two hours held thrice weekly throughout the first semester.

DEPARTMENT OF PHYSIOLOGICAL CHEMISTRY.

H. Boyd Wylie, M.D., ... Professor of Physiological Chemistry
Tilghman B. Marden, A.B., M.D..... Assistant in Physiological Chemistry

The course in Physiological Chemistry comprises laboratory work, special laboratory demonstrations, lectures and discussions of extracts prepared by students, from current literature.

Laboratory Work. The regular class work in the laboratory is carried on in two sections, throughout the year, each section spending Tuesday or Thursday morning from 9-12 in the laboratory.

During these first periods, study is directed to the chemistry of proteins, carbohydrates, fats and extractives. Later these substances are subjected to the action of enzymes, and such hydrolytic products capable of production in the laboratory, are studied. Following this work, the main tissues of the body, along with its chief secretions and excretions, are investigated. The former, briefly; the latter, more thoroughly; a great deal of attention being given to the quantitative estimations of blood, urine, feces and stomach, contents.

Special Laboratory Demonstrations. These special demonstrations take place three afternoons a week, during the second semester. A group of six or eight men are assigned to the execution of the more complicated tests on blood, urine, gastric contents and feces. In this work, emphasis is laid on those tests which bear more or less on pathological conditions.

Ample opportunity is afforded, in this afternoon work, for experimentation with new methods and for research work.

Lectures. The lectures are given in one hour periods, for three days a week. They are designed to furnish the student with a clear understanding of the practical work, and at the same time, to supply the theoretical material necessary to complete a well-rounded course. Wherever of practical benefit to the student, the abnormal as well as the physiological aspects of the subject under discussion, are always considered.

Extracts of Current Literature by Students. This department was instituted to stimulate the student's interest in the concurrent literature associated with this subject.

Periodically, during the year, students are appointed to present to the class, extracts of articles of special interest from a physiological chemical standpoint. The paper thus presented is discussed by other students, previously appointed for the purpose.

MEDICAL JURISPRUDENCE.

H. J. Maldeis, M.D.....Baltimore City Post Mortem Physician

Third Year. One hour each week for entire session.

Inasmuch as Medical Jurisprudence teaches the application of every branch of medical knowledge to the needs of law, civil or criminal, this course embraces the following:—Proceedings in criminal and civil prosecution; medical evidence and testimony; identity in its general relations; sexual abnormalities; personal identity; impotence and sterility; rape; criminal abortion; signs of death; wounds in their medico-legal relations; death, natural and homicidal; malpractice; insanity and medico-legal autopsies.

CLINICAL INSTRUCTION.

DEPARTMENT OF SURGERY.

Randolph Winslow, A.M., M.D., LL.D.....Professor of Surgery
Arthur M. Shipley, M.D.....Professor of Surgery
Archibald C. Harrison, M.D.....Professor of Surgery
Alexius McGlannan, A.M., M.D. .....Professor of Surgery
Frank Martin, B.S., M.D.....Professor of Surgery
Joseph H. Branham, M.D.....Professor of Clinical Surgery
Nathan Winslow, A.M., M.D.....Clinical Professor of Surgery
Walter D. Wise, M.D.....Clinical Professor of Surgery
Joseph W. Holland, M.D.....Clinical Professor of Surgery
William W. Requardt, M.D.....Associate Professor of Surgery
J. C. Lumpkin, M.D.....Associate Professor of Clinical Surgery
H. C. Blake, M.D.....Associate Professor of Clinical Surgery
Robert P. Bay, M.D.....Associate Professor of Clinical Surgery
Frank S. Lynn, M.D.....Associate Professor of Surgery
Elliott H. Hutchins, A.M., M.D.....Associate Professor of Surgery
Thomas R. Chambers, A.B., M.D.....Associate Professor of Surgery
Harvey B. Stone, A.B., M.D.....Associate Professor of Surgery
R. W. Locher, M.D...Associate Professor of Operative and Clinical Surgery
Frank J. Kirby, M.D.....Associate in Surgery
F. L. Jennings, M.D.....Instructor in Surgery
A. M. Evans, M.D.....Instructor in Surgery
E. P Smith, M.D.....Instructor in Operative Surgery
W. H. Toulson, A.M., M.D.....Instructor in Surgery
Charles Reid Edwards, M.D.....Assistant in Surgery
F. S. Kearney, M.D.....Assistant in Surgery
G. W. Bowden, M.D.....Assistant in Surgery
Dwight Mohr, M.D.....Assistant in Surgery
H. M. Foster, M.D.....Assistant in Surgery

The course in surgery is progressive, and aims to ground the student firmly in the principles of surgical science in order that later he may be prepared to build upon a firm foundation the superstructure of surgical art.

Second Year. During this year a practical course of bandaging is given upon the mannikin; the student being required to apply personally the various forms of bandages to the different parts of the body.

Third Year. Surgical Pathology and Principles of Surgery. Lectures, recitations and clinics, three hours weekly. Drs. Shipley and McGlannan.

The class is divided in sections and receives instruction in history taking, gross surgical pathology and surgical diagnosis at the bedside and in the dead house in the City Hospitals at Bay View. Drs. Shipley and Lynn.

Operative Surgery. Instruction is given in operative surgery upon the cadaver and on dogs. The class is divided into sections and each section is given practical and individual work under the supervision of the instructors.

This course begins with the study of the general principles of operative surgery, anaesthesia, asepsis, antisepsis, description of instruments and sutures, etc.

The various operations are first described and demonstrated by the instructor, and the student afterward practices them upon the subject.

The entire subject of operative surgery is fully covered. Dr. Martin and assistants.

The class will be divided into small sections for Dispensary service in the University and Mercy Hospitals.

Fourth Year. *Fractures and Dislocations.* Illustrated by charts drawings, specimens, X-ray demonstrations, lantern slides, and the balopticon, two hours a week for the first semester. Dr. Winslow.

Surgery of the Blood Vascular System, Hernia, Surgery of the Scrotum and its contents, one hour a week for the first semester. Dr. McGlannan. At the end of this semester an examination will be given.

Surgery of the Thorax and Thoracic Wall, the Abdominal Cavity, and of the Head, Neck, and Spinal Cord, two hours a week for the second semester. Dr. Harrison.

Surgical Clinics. Surgical clinics will be given at the University, Mercy, and Maryland General Hospitals, weekly, to one third of the class in each hospital. Drs. Winslow, Harrison, and McGlannan.

The class is divided into sections for ward instruction in surgery, for instruction in operative surgery and surgical diagnosis, and the post-operative treatment of surgical conditions six days a week for two hours each day in each of the three hospitals. Drs. Winslow, Shipley, Harrison, Martin and McGlannan.

ANAESTHESIA.

S. Griffith Davis, M.D.....Professor of Anaesthesia
Samuel W. Moore, D.D.S.....Associate in Anaesthesia
A. M. Evans, M.D.....Associate in Anaesthesia
W. G. Queen, M.D.....Instructor in Anaesthesia
J. McF. Bergland.....Instructor in Anaesthesia

The administration of anaesthetics is taught didactically and practically and students are required to administer anaesthetics under the direction of an instructor.

DERMATOLOGY.

T. Caspar Gilchrist, M.R.C.S., L.S.A., M.D.....Professor of Dermatology
Melvin Rosenthal, M.D.....Associate Professor of Dermatology
John R. Abercrombie, A.B., J.D.....Associate Professor of Dermatology
Harry M. Robinson, M.D.....Associate in Dermatology
Joseph E. Gately, M.D.....Assistant in Dermatology

Clinical conference one hour each week to entire class. This course will consist of demonstrations of the common diseases of the skin. Dr. Gilchrist.

Dispensary instruction, University Hospital, Mondays, Wednesdays and Fridays in the diagnosis and treatment of the common skin diseases, Dr. Abercrombie. Dispensary instruction, Mercy Hospital, Dr. Rosenthal.

ORTHOPEDIC SURGERY.

R. Tunstall Taylor, A.B., M.D.....Professor of Orthopedic Surgery
Albertus Cotton, A.M., M.D.....Professor of Orthopedic Surgery
Compton Riely, M.D.....Clinical Professor of Orthopedic Surgery
Sydney M. Cone, A.B., M.D.....Clinical Professor of Orthopedic Surgery
Henry J. Walton, M.D.....Professor of Roentgenology
John Evans, M.D.....Associate Professor of Roentgenology
W. H. Daniels, M.D.....Demonstrator in Orthopedic Surgery

In this course didactic, clinical, bed-side and out-patient instruction will be given. This instruction is provided in the University Hospital Amphitheater and Dispensary, Maryland General and Mercy Hospitals and Dispensaries, Kernan Hospital and Industrial School for Crippled Children at "Radnor Park," and in the Dispensary of same at 2000 North Charles Street.

The senior class will be divided into three parts, each section spending one trimester in the University, Mercy and Maryland General Hospitals in rotation; and by the avoidance of duplication, the subject will be adequately covered. Lectures, clinics and quizzes will be held at each of the three hospitals once a week. In addition, a weekly bed-side clinic will be held on Saturdays for small sections of the class at "Radnor Park."

The course will cover instruction in special methods and instruments required in this surgical specialty, including X-Ray technique; Wolff's law; tuberculosis of bones and joints; deformities of the feet; non-tuberculous deformities of the feet and joints; the paralyses; the bursal, tendinous and muscular conditions producing orthopedic affections; rickets; scurvy; osteomalacia; chondrodystrophies; wry-neck and the use and application of orthopedic apparatus.

DISEASES OF THE THROAT AND NOSE.

Samuel K. Merrick, M.D.....Professor of Diseases of the Throat and Nose
Frank Dyer Sanger, M.D.....Professor of Diseases of the Throat and Nose
George W. Mitchell, M.D.
Associate Professor of Diseases of the Throat and Nose
George Murgatroyd, M.D.....Associate in Diseases of the Throat and Nose

Third Year. Clinical Lectures. One hour each week throughout the session. Drs. Merrick, and Sanger.

Fourth Year. Dispensary instruction daily in small sections at the University, Maryland General, and Mercy Hospitals. Ward classes one hour each week at the University, Maryland General and Mercy Hospitals.

GENITO-URINARY DISEASES.

Anton G. Rytina, A.B., M.D.....Professor of Genito-Urinary Diseases
Page Edmunds, M.D.....Clinical Professor of Genito-Urinary Diseases
A. J. Underhill, A.B , M D. . .Clinical Professor of Genito-Urinary Diseases
Harris Goldman.....Associate in Genito-Urinary Diseases

The course, which is entirely clinical, is taught chiefly by personal instruction in the dispensaries of the University, Mercy, and Maryland General Hospitals, one trimester being spent at each hospital. The student assumes the responsibility of certain cases under the supervision of instructors.

The course includes the diagnosis, pathology and treatment of venereal diseases and syphilis together with a careful study of the less common genito-urinary diseases. The course includes instruction in urinalysis, in endoscopic and cystoscopic examinations and the use of other instruments for the diagnosis and treatment of genito-urinary diseases. Many minor operations are performed in the out-patient department by students under the supervision of the chiefs of clinic.

DISEASES OF THE COLON AND RECTUM.

G. Milton Linthicum, A.M., M.D.
Professor of Diseases of Rectum and Colon
Charles F. Blake, M.D.....Professor of Diseases of Rectum and Colon
J. Dawson Reeder, M.D.
Associate Professor of Diseases of Rectum and Colon

Fourth Year. This course is for instruction in diseases of the Colon, Sigmoid Flexure, Rectum and Anus.

One lecture a week throughout the year will be given in the Clinical Amphitheater of the Hospitals. The lecture will cover the essential features of the Anatomy and Physiology of the large intestine; as well as the various diseases to which it is subject. The importance of diseased conditions and malpositions of the intestines, in relation to systemic disturbances, will be emphasized by demonstrations.

In small groups, the students will be taken into the wards and dispensaries of the University, Mercy, and Maryland General Hospitals, where different phases of the various diseases will be taught by direct observation and examination. The use of the proctoscope and sigmoidoscope in examination of the rectum and sigmoid will be made familiar to each student.

A course in Proctoscopy may be given in the City Hospitals at Bay View, where abundance of material is always obtainable.

DEPARTMENT OF MEDICINE.

Gordon Wilson, M.D.	Professor of Medicine
William F. Lockwood, M.D.	Professor of Medicine
Cary B. Gamble, Jr., A.M., M.D.	Professor of Medicine
Standish McCleary, M.D.	Professor of Clinical Medicine
Jos. E. Gichner, M.D.	Professor of Clinical Medicine
Charles W. McElfresh, M.D.	Professor of Clinical Medicine
G. Carroll Lockard, M.D.	Professor of Clinical Medicine
Harvey G. Beck, M.D., Sc.D.	Professor of Clinical Medicine
Hubert C. Knapp, M.D.	Associate Professor of Medicine
C. C. W. Judd, A.B., M.D.	Associate Professor of Medicine
H. D. McCarty, M.D.	Associate Professor of Clinical Medicine
Wm. H. Smith, M.D.	Associate in Clinical Medicine
R. C. Metzel, M.D.	Associate in Clinical Medicine
W. I. Messick	Associate in Medicine
E. E. Mayer, M.D	Instructor in Medicine
George McLean, M.D.	Instructor in Medicine
D. Corbin Streett, M.D.	Instructor in Medicine
C. C. Habliston, M.D.	Instructor in Medicine
Horace Byers, M.D.	Assistant in Medicine
H. R. Lickle, M.D.	Assistant in Medicine
Wm. Michael, M.D.	Assistant in Medicine
G. L. Zimmerman, M.D.	Assistant in Medicine

CLINICAL MEDICINE.

Third Year. Lectures and recitations on the principles of medicine, for three hours a week throughout the session. Clinical conference, one hour each week throughout the session.

Fourth Year. Lectures, recitations and clinics to the entire class four hours a week throughout the session.

A clinical pathological conference is held once a week throughout the sesssion, at which the material obtained at autopsy is studied in relation to the clinical findings.

The whole class, divided between the two hospitals and again subdivided into small groups, receives bedside instruction twelve hours a week throughout the session and has the care of the hospital patients under the direct supervision of the hospital staff taking all histories, making the physical examinations, doing requisite laboratory tests, following and recording the progress of the disease in the individual patient.

PHYSICAL DIAGNOSIS.

Second Year. Didactic lectures and practical demonstrations in the medical topography and the physical conditions in health, preparatory to the course in physical diagnosis in the third year. One hour each week during the second semester.

Third Year. The class is divided into small groups, and each section receives instruction for the entire session in the medical dispensaries of the hospitals. During the second semester, the students under the supervision of instructors examine and treat patients in the medical dispensaries. During one semester small groups are sent for the afternoon to the city hospitals at Bay View for special instruction in history taking and physical diagnosis. Two hours a week throughout the year are devoted to physical diagnosis. Full class conferences one hour a week throughout the session.

THERAPEUTICS.

Jos. E. Gichner, M.D.....Professor of Physical Therapeutics
Wm. T. Watson, M.D.....Professor of Therapeutics

Third Year. This course is supplementary to that on clinical medicine and an effort is made to familiarize the student with the practical treatment of disease. (One hour a week.)

Physical Therapeutics. This course consists of weekly lectures and demonstrations on hydrotherapy, thermotherapy, massage, rest and exercise, the Weir Mitchell Treatment, radiotherapy and electrotherapeutics. The basis physiologic principles and actions of the above mentioned agencies are given full consideration and study, and the practical application is observed in the hospital and clinics and in visits to various institutions having well equipped departments for treatment by physical means.

Fourth Year. Special consideration is given to the practical application of therapeutic principles in bedside teaching.

TUBERCULOSIS.

H. D. McCarty, M.D.....Associate Professor of Clinical Medicine
John E. O'Neill, M.D.....Associate in Clinical Medicine

A practical course is given in the tuberculosis dispensary and at the Municipal Tuberculosis Hospital to small groups, the abundance of the material, both of "incipient" and "advanced cases" making this course of value in the practical recognition of the physical signs of the disease.

GASTRO-ENTEROLOGY.

John C. Hemmeter, M.D., Ph.D., Sc.D., LL.D. Professor of Clinical Medicine
Julius Friedenwald, A.M., M.D. Professor of Gastro-Enterology
T. Fred. Leitz, M.D. Clinical Professor of Gastro-Enterology
E. B. Freeman, B.S., M.D. Clinical Professor of Gastro-Enterology
J. Harry Ullrich, M.D. Associate in Gastro-Enterology
Theodore Morrison, M.D. Associate in Gastro-Enterology
B. M. Levin, M.D. Assistant in Gastro-Enterology

Fourth Year. Clinic recitations and demonstrations to each half of the class for one hour a week throughout the session. Dispensary instruction to small groups throughout the entire session. Practical instruction in the wards in the differential and clinical diagnosis and demonstrations of the newer methods of diagnosis in gastro-intestinal affections.

PEDIATRICS.

John Ruhrah, M.D. Professor of Pediatrics
Charles L. Summers, M.D. Professor of Pediatrics
Edgar B. Friedenwald, M.D. Clinical Professor of Pediatrics
J. E. Poulton, M.D. Associate in Pediatrics
John S. Fenby, M.D. Assistant in Pediatrics

Third Year. Lecture recitation one hour a week throughout the session.

Fourth Year. Clinic recitation one hour a week throughout the year and in addition ward class instruction to small groups one hour a week during one trimester.

Dispensary instruction in pediatrics is given to small groups throughout the year.

NEUROLOGY.

Irving J. Spear, M.D. Professor of Neurology
Andrew C. Gillis, A.M., M.D. Professor of Neurology
G. M. Settle, A.B., M.D. Associate Professor of Neurology
Benjamin Pushkin, M.D. Instructor in Neurology
J. A. Skladowsky, M.D. Assistant in Neurology

Third Year. Lectures and recitations one hour each week to entire class throughout the year. This course comprises the study of the anatomy and physiology of the nervous system, the method of neurological examination, and relationship of signs and symptoms

to pathological conditions. The material at the University, Maryland General, and Mercy Hospitals is available.

Fourth Year. Clinical lectures and recitations; one hour each week throughout the entire session.

Clinical Conference, one hour each week to the entire class. This subject is taught at the University, Maryland General, and Mercy Hospitals. All cases presented at these clinics are carefully examined; complete written records are made by the students who demonstrate the cases before the class. These cases are usually assigned one or two weeks before they are presented, and each student in the class must prepare one or more cases during the year.

Ward Class Instruction. In small sections, two hours each week during entire year at the University, Maryland General, and Mercy Hospitals. In these classes the students come in close personal contact with the cases in the wards under the supervision of the instructor.

Dispensary Instruction. Small sections are instructed in the dispensaries of the University, Maryland General, and Mercy Hospitals four afternoons each week. In this way students are brought into contact with nervous diseases in their earlier as well as later manifestations.

Electro Therapeutics. Instruction in the uses of the various types of electrical apparatus is given by lectures and demonstrations in the clinics, the ward classes, and the out-patient department.

PSYCHIATRY.

R. M. Chapman, M.D.....Associate in Psychiatry
G. F. Sargent, M.D.....Associate in Clinical Psychiatry

Fourth Year. This subject is taught by means of didactic and clinical lectures. Abundant material is at the command of this department in the various institutions which are presided over by the teachers in psychiatry. The student is brought into contact with the early manifestations of mental disease in the dispensaries of the University, Maryland General, and Mercy Hospitals, and in a series of clinics opportunity is afforded to observe the course and later manifestations of the disease, often in these same patients, at the Sheppard-Enoch Pratt Hospital, Mount Hope Retreat, and City Detention Hospital.

HYGIENE AND PREVENTIVE MEDICINE.

C. Hampson Jones, M.D., C.M. ....Professor of Hygiene and Public Health

Third and Fourth Years. In each year one lecture every week to the entire class throughout the session. A quiz will be substituted for a lecture whenever it is considered advantageous to do so. The lectures to the third year class will encompass all of the fundamental subjects, air, water, soil, food, disposal of wastes, etc. leading to the fourth year when communicable diseases of all kinds will be considered in groups and singly. State and Federal laws to promote and protect Public Health will be considered during the presentation of groups of diseases.

DEPARTMENT OF OBSTETRICS.

L. E. Neale, A.M., M.D., LL.D..... Professor of Obstetrics
Geo. W. Dobbin, M.D.....Professor of Obstetrics
J. M. H. Rowland, M.D..... Professor of Obstetrics
Bernard Purcell Muse, M.D..... Professor of Clinical Obstetrics
Charles E. Brack, M.D..... Clinical Professor of Obstetrics
J. K. B. E. Seegar, M.D..... Associate Professor of Obstetrics
J. McF. Bergland.....Associate in Obstetrics
L. H. Douglass, M.D..... Associate in Obstetrics
F. H. Machin, M.D..... Assistant in Obstetrics
J. G. M. Reese, M.D.....Assistant in Obstetrics
W. K. Mackey, M.D.....Assistant in Obstetrics

Third Year. Lectures and recitations two hours each week by Drs. Neale and Dobbin to entire class. Special obstetric and gynecologic pathology three hours each week under the direction of Dr. Gardner to class sections in the Pathologic Laboratory. Clinical Obstetrics (bedside and manikin work) three hours each week at the University Hospital by Dr. Neale and his assistants, and at the Mercy Hospital by Drs. Brack.

Examinations, one at end of first semester and final one at end of the year. The results of these examinations, considered in conjunction with the student's practical work, will determine the grade for the year's work, which grades, if sufficient to give student advanced standing, will count as one-half of the final grade in Obstetrics.

Fourth Year. *Lectures and Clinical Conferences.* Two hours each week to the entire class. Drs. Neale, Dobbin and Rowland.

Ward Classes and Operative Obstetrics (Manikin work). Four hours each week to sections of the class.

Students are required to attend obstetric cases before, during and after confinement in the University Hospital, Maryland Lying-In Hospital, and as well as in the out-patient department. Each student is required to conduct and make accurate records of at least twelve confinement cases. These out-patient cases are conducted under the supervision of post-graduate instructors, two in number, who devote their whole time to this work.

Mid-year and final examinations will be held, the results of which, considered in conjunction with clinical work and recitations, will make up the remaining half of the final grade.

This School is peculiarly fortunate in the clinical material available for this important branch of medical teaching; more than 1700 cases in the three hospitals and their out-patient departments make a practically inexhaustible clinic.

DEPARTMENT OF GYNECOLOGY.

William S. Gardner, M.D.....Professor of Gynecology
W. B. Perry, M.D.....Professor of Clinical Gynecology
J. Mason Hundley, M.D.....Professor of Clinical Gynecology
Hugh Brent, M.D.....Associate Professor of Gynecology
Abraham Samuels, M.D.....Associate Professor of Gynecology
E. H. Hayward, M.D.....Associate in Gynecology
Geo. A. Strauss, M. D.....Associate in Gynecology
R. G. Willse, M.D.....Associate in Gynecology
R. L. Mitchell, M.D.....Instructor in Gynecology
T. K. Galvin, M.D.....Assistnat in Gynecology

Third Year. *Didactic Work.* Lectures and recitations one hour each week throughout the session.

Laboratory. Special pathology, both gross and microscopical, studied in connection with the clinical history of each specimen, two hours each week for one semester.

Fourth Year. *Didactic Work.* Lectures and recitations one hour each week throughout the session.

Clinical Work. Six hours weekly for one trimester. In this course a student writes the clinical history of each patient in the ward, makes a general physical examination including the blood and urine, before the patient is brought before the class. One student under supervision gives the anesthetic, a pelvic examination is made by six students, and any operation required is then done before a section of the class small enough to see clearly what is being done and how it is done. On a subsequent day the whole

group examine microscopically sections prepared from material removed from patients that have been before them.

DEPARTMENT OF OPHTHALMOLOGY AND OTOLOGY.

HARRY FRIEDENWALD, A.B., M.D..Professor of Ophthalmology and Otology
HIRAM WOODS, A.M., M.D.....Professor of Ophthalmology and Otology
WM. TARUN, M.D.....Clinical Professor of Ophthalmology and Otology
J. W. DOWNEY, M.D.....Clinical Professor of Otology
CLYDE A. CLAPP., M.D..Associate Professor of Ophthalmology and Otology
EDWARD A. LOOPER, M.D., D.Oph.,
Associate Professor of Ophthalmology and Otology
H. K. FLECK, M.D..... Associate in Ophthalmology and Otology
JOSEPH I. KEMLER, M.D.....Associate in Ophthalmology and Otology
R. D. WEST, M.D.....Assistant in Ophthalmology and Otology

THIRD YEAR. *Practical Course in the Anatomy,* gross and microscopic, and in the *Physiology of the Eye;* this course consists of dissections, microscopic sections, demonstration on models, etc., once weekly throughout one half the year.—Dr. Clapp.

Course in Anatomy, Physiology and Diseases of the Ear, Dr. Downey.

FOURTH YEAR. *Didactic Course in Diseases of the Eye* once weekly, October to February, Dr. Woods; February to close of session, Dr. Harry Friedenwald.

Course in Diseases of the Ear, Dr. Downey, once weekly for half the year.

Clinics in diseases of the eye to sections of the class once weekly, b yDrs. Harry Friedenwald, Woods and Clapp.

Dispensary Instruction to small sections.

The courses in Ophthalmology and Otology are designed to familiarize the students with the common diseases of the eye and ear, their recognition and treatment, with a view to meet the needs of the general practitioner. Special emphasis is laid upon the relation between diseases of the eye and the ear and systemic diseases of other organs.

LABORATORIES OF CLINICAL PATHOLOGY.

JOHN LUTZ, M.D.....Associate Professor of Clinical Pathology
HENRY L. COLLENBERG, M.D.....Associate in Clinical Pathology
L. A. M. KRAUS, M.D.....Assistant in Clinical Pathology
B. M. LEVIN, M.D.....Assistant in Clinical Pathology

During the third year the student is thoroughly drilled in the technique of the usual clinical laboratory work, so that he is able to perform all routine examination which may be called for during his fourth year, in connection with the work in the wards and dispensary. In addition he is trained to do bacteriological and serological work as will fit him to occupy an assistant's position in a civil hospital laboratory where modern public health and epidemiological work is carried on.

The practical work is supplemented by a series of didactic lectures and demonstrations in which the entire teaching staff of the department takes an active part. The microscopical, chemical, bacteriological and serological study of blood, exudates and transudates, gastric juice, sputum, feces and urine are successively taken up, and special attention directed to the clinical significance of the findings.

Clinical parasitology and advanced bacteriology, both from the stand-point of the infecting agent and the carrier, are given careful consideration.

The entire course is thoroughly practical. Each student is provided with a microscope, blood counters and hemoglobinometer for his exclusive use, and every two students with a special laboratory outfit for all routine purposes.

During the fourth year the student applies what he has learned during the preceding year in the laboratories of the various affiliated hospitals. He is also supplied with a laboratory outfit which is sufficiently complete to enable him to work independently of the general equipment. Special instructors are available during certain hours to give necessary assistance and advice.

THE UNIVERSITY HOSPITAL TRAINING SCHOOL FOR NURSES.

Miss Ellen Stewart, R.N., *Superintendent of Training School.*

The University of Maryland School for Nurses, established in the year 1889 for the purpose of instructing women in the art of caring for the sick, is now entering its thirtieth year.

The University Hospital is a large general hospital containing about 250 beds, and is equipped to give young women a thorough course of instruction and practice in all phases of nursing work. Unusual advantages are offered to student nurses because of the

varied services and well-thought-out curriculum, taught by qualified instructors and members of the Medical Staff of the University.

The Nurses' Home, while not a new building, has been recently renovated and is comfortable and cheerful.

Candidates wishing to obtain the course of instruction must apply personally or by letter to the Superintendent of Nurses. Those applying by letter should enclose a statement from a clergyman testifying to good moral character, and one from a physician, certifying to sound health and unimpaired faculties. No candidate will be considered who is not physically fit. Applicants must not be under 19 or over 35 years of age. They must show that they have graduated from a high school or have the equivalent of such a degree of education. The Superintendent of Nurses decides as to the fitness of the candidate for the work and the propriety of dismissing or retaining them at the end of their probation term. She may also, with the approval of the Committee, dismiss a pupil from the school at any time for misconduct or inefficiency.

The course of instruction covers a period of three years.

Classes are admitted in February and March, and September. Student Nurses are on duty eight hours during the day, and ten hours when on night duty, except during the first six weeks of the preliminary period, when four hours are spent in the wards and four hours in the classroom.

When the work will permit a half day is allowed on Sunday. The term of night duty is two months during each year.

Sickness: Pupils when ill will be cared for gratuitously. All time lost for sickness or any other cause must be made up. Should the authorities of the school decide that through the time lost the theoretical work has not been sufficiently covered to permit the student to continue in that year, it will be necessary for her to continue her work with the next class.

Allowances: Students are allowed $5.00 each month, after the first two months, to defray the expenses incidental to her training, uniforms, etc. Students receive lodging, board and a reasonable amount of laundry work from date of entrance. A breakage deposit of $10.00 is required, from which all breakage of equipment is deducted during the term of training, the remainder being refunded at the end of the course; also the student should be supplied with sufficient funds to meet the cost of books used during the preliminary term, the amount varying from $10.00 to $12.00.

Vacations: Vacations are given between June and September. A period of three weeks is allowed the student after the completion of the first and second years.

Examinations: Examinations are held after each course of study and lectures, and the standing of the student at the end of the year is based upon the results of these examinations and the general character of the work throughout the year.

The diploma of the school will be awarded to those who have satisfactorily completed the full term of three years and have passed successfully the final examinations.

Class 1920

Christine Cecile Alexander.....*New York*
Viola Louise Barnett.....*Maryland*
Margaret Ellenor Baugher.....*Virginia*
Ethelyn Pauline Bay.....*Maryland*
Emily Trew Biddlecomb.....*Virginia*
Eleanor Butler.....*North Carolina*
Ruth Clements.....*Maryland*
Emeline Annette Evans.....*Maryland*
Helen Anna Gilbert.....*Maryland*
Alice Florence Howell.....*South Carolina*
Azalia Theodosia Kirkley.....*Maryland*
Antoinette Marie Langford.....*West Virginia*
Rachel Ann Little.....*Maryland*
Clara Mary McGovern.....*Maryland*
Bessie Lee Maston.....*Virginia*
Leona Louise Northcutt.....*South Carolina*
Grace Coulson Reynolds.....*Maryland*
Edna Kathleen Scaggs.....*Maryland*
Myrtle Marie Schwab.....*Maryland*
Goldie Mae Shipley.....*Maryland*
Zora Tillett.....*North Carolina*
Mabel Clarice Trevilian.....*Virginia*
Edna Virgina Yates.....*West Virginia*
Emeline Rae Yingling.....*Pennsylvania*

THE MERCY HOSPITAL TRAINING SCHOOL FOR NURSES.

The Mercy Hospital Training School for Nurses, conducted by the Sisters of Mercy and connected with the College of Physicians and Surgeons, was organized and incorporated under the general laws of the State of Maryland in 1899. Its first students were graduated in 1901; and on the passage of the bill for registration in 1904, the Sisters of Mercy, connected with the Hospital service, received certificates as registered nurses.

The Training School was affiliated with the Board of Regents of the State of New York in 1906; and, in the same year, the Alumnae Association was incorporated, having been previously connected

with the Associated Alumae of the United States. The graduates, as active members, have been much interested in the movements of the Maryland Association of Graduate Nurses, to whom they have given every encouragement to uplift the profession in its many works of district nursing, tuberculosis campaign, Red Cross movements, etc.

The requirements for entrance are: highest moral standing, health, intelligence, and a High School education or its equivalent. The age limit is twenty to thirty-five years.

After a three months' probation, candidates, if they possess the necessary qualifications, are admitted to the Training School proper, receiving five dollars a month wherewith to secure text-books, etc., the education they receive being considered their compensation. The right is reserved to dismiss pupils for any cause which may be deemed sufficient by the Sister Superior or Superintendent.

The course of training comprises three years of theory and practice. The clinical advantages are exceptional. The medical, surgical, orthopedic, gynecological, obstetrical, children's and dietetic departments give valuable practical experience. The nurses are taught the theory of nursing by class recitations and demonstrations by efficient Sister instructors. Supplementing this training is a course of lectures from the professors of the University of Maryland School of Medicine and College of Physicians and Surgeons, who are untiring in their efforts to keep the School abreast with modern scientific developments.

GRADUATES OF 1920

MARIE JANE ALLEMAN	*Pennsylvania*
ANNA LILLIAN BOZMAN	*New York*
SALLIE CHARLES CARROLL	*Maryland*
ANNA PAULINE CHAMBERS	*Maryland*
AGNES IRENE CLARK	*Maryland*
LOLA GERTRUDE DUFFY	*West Virginia*
WINIFRED LEE EDWARDS	*Maryland*
COSIE MAUDE EYLER	*Maryland*
MARY OLIVIA GARDINER	*Maryland*
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The Maryland General Hospital Training School for Nurses has been in successful operation since 1891.

In 1909 the Training School was registered with the Board of Regents of the State of New York.

Its purpose is to give to young women desiring to understand the science and acquire the art of nursing the sick and injured, the opportunity, through instruction and training, to qualify themselves for efficient and skillful work in their humane and useful mission.

A candidate for admission must be between 19 and 35 years of age.

She must have a High School education or pass an examination in the subjects embraced in, or equivalent to, the four years' curriculum of the High Schools of the State of Maryland, and is required to fill in a "student nurse's application" furnished by the State Board of Examiners, which is passed upon by Mr. Charles R. Ranft, Examiner of Preliminary Education.

She must present a certificate from her family physician testifying as to good health and proper physical condition, and certificates from two other responsible persons.

The first six months will constitute a period of probation, in which the candidate must show her fitness before she will be finally accepted as a pupil. The school reserves the right of suspension or dismissal at any time, for inefficiency, misconduct, or infraction of the rules of discipine.

A vacation of two weeks each year is granted.

Pupils are cared for without expense in case of illness, provided they remain in the hospital and are attended by members of the Medical Staff.

The full course of instruction will extend over a period of three calendar years. During the probationary period practical demonstrations are given in the class room, four hours each week. Nurses

in training receive instruction in the nursing of medical, surgical, orthopedic, gynecological patients, in operating room work, and also in obstetrics and the nursing of children; in addition to which, courses of lectures are given by the visiting physicians and surgeons of the Maryland General Hospital.

All examinations must be successfully passed before the pupil will be advanced to the work of the following year.

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The membership fee is $1.00 per annum, payable in March.

The annual meetings are held on or about Commencement Day, and an orator will be selected to deliver an address upon these occasions.

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The Y. M. C. A., since its establishment twenty-one years ago, has had a splendid influence in helping to mould the character of the students at the University.

All students in each department of the University are eligible to active or associate membership. Membership in the University Association entitles the holder to special privileges in the City Association. Bible and Mission Study Classes and Social Service Work are promoted by the Association and every effort is exerted to build morality and strong Christian character.

A committee will be on hand in Davidge Hall at the opening of the session to welcome all new students to the University. This committee will be glad to render assistance in securing comfortable rooms and boarding houses, and will extend every other courtesy possible. Each new student will be handed a copy of the handbook, a publication issued by the Y. M. C. A., containing valuable information.

All young men who intend to enter the University are cordially invited to share in the privileges and work of the Association.

The officers named will be glad to furnish any information desired in regard to the Association, and will be glad to render any assistance. Correspondence should be addressed to Fred C. Sabin, President.

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COLLEGE OF PHYSICIANS AND SURGEONS AND MERCY HOSPITAL

UNIVERSITY HOSPITAL

MARYLAND GENERAL HOSPITAL

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OF THE

University of Maryland School of Medicine

AND

College of Physicians and Surgeons

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VOL. VI JULY, 1921 No. 1

ANNUAL ANNOUNCEMENT.

SESSION 1921-1922

CALENDAR

1921-1922.

SCHOOL OF MEDICINE.

September 19 to 24, Inc.—Examinations for advanced standing.

October 3—Regular session begins.

November 24—Closed (Thanksgiving Day).

December 21—Christmas recess begins after last lecture period.

January 4—Lectures resumed 9 A. M.

February 22—Closed (Washington's Birthday).

April 13—Easter recess begins after last lecture period

April 18—Lectures resumed. 9 A. M.

June 1—Commencement.

THE UNIVERSITY OF MARYLAND

Control of the University of Maryland is vested in a Board of nine Regents, appointed by the Governor and confirmed by the Senate for terms of nine years each. The General administration of the University is vested in the President. The University Council is an advisory body, composed of the President, the Assistant to the President, the Director of the Agricultural Experiment Station, the Director of the Extension Service, and the Deans. The University Council acts upon all matters having relation to the University as a whole, or to co-operative work between the constituent groups. Each school has its own Faculty Council, composed of the Dean and members of its faculty; each Faculty Council controls the internal affairs of the group it represents.

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The School of Medicine,
The School of Law,
The School of Dentistry,
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Wm. Michel, M.D., Assistant in Medicine.
G. L. Zimmerman, M.D., Assistant in Medicine.
J. G. M. Reese, M.D., Assistant in Obstetrics.
Amos Hutchins, M.D., Assistant in Surgery.
W. H. Ingram, M.D., Assistant in Pediatrics.
B. J. Ferry, M.D., Assistant in Pediatrics.
H. H. Warner, M.D., Assistant in Pediatrics.
J. F. Hawkins, M.D., Assistant in Pediatrics.
Joseph Sindler, M.D., Assistant in Gastro-Enterology.
Milford Levy, M.D., Assistant in Neurology.
B. T. Baggott, M.D., Assistant in Medicine.
J. W. Martindale, M.D., Assistant in Medicine.
C. A. Reifschneider, M.D., Assistant in Surgery.
W. R. Gerathy, M.D., Assistant in Surgery.
S. Demarco, M.D., Assistant in Surgery.
Jack M. Hundley, M.D., Assistant in Surgery.

O. H. Lloyd, M.D., Assistant in Surgery.
Clyde N. Marvel, M.D., Assistant in Surgery.
Everard Briscoe, M.D., Assistant in Surgery.
W. J. Todd, M.D., Assistant in Pediatrics.
Percy B. Hardcastle, M.D., Assistant in Pediatrics.
John H. Traband, M.D., Assistant in Pediatrics.
C. R. Goldsborough, M.D., Assistant in Pediatrics.
Susanne Parsons, A.B., M.D., Ph.D., Assistant in Obstetrics.
L. K. Fargo, M.D., Assistant in Genito-Urinary Diseases.

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Page Edmunds, M.D.
Frank S. Lynn, M.D.

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Charles W. McElfresh, M.D.
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G. Carroll Lockard, M.D.
Jos. E. Gichner, M.D.
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Julius Friedenwald, A.M., M.D.
John C. Hemmeter, Ph.D., M.D.

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Harry Friedenwald, M.D.
William Tarun, M.D.
Hiram Woods, A.M., M.D.
E. A. Looper, M.D.

Laryngologist.

Edward A. Looper, M.D.

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Neurologist.

Irving J. Spear, M.D.

Genito-Urinary Surgeons.

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CHARLES L. SUMMERS, M.D.

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Resident Gynecologist.

L. H. BRUMBACK, M.D.

Resident Physician.

F. A. HOLDEN, M.D.

Resident Obstetrician.

J. G. M. REESE, M.D.

Resident Pediatrician,

GEORGE E. WELLS, M.D.

Assistant in Outdoor Obstetrics.

L. J. RIGNEY, M.D.

Dental Interne.

JOSEPH W. VOELKER.

Internes.

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Wm. G. Todd, M.D.
H. H. Warner, M.D.
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R. G. Willse, M.D., *Chief of Clinic.*

R. L. Mitchell, M.D.
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Geo. A. Strauss, M.D.

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Eye and Ear.

Harry Friedenwald, M.D., *Professor of Ophthalmology and Otology.*
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Skin.

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Diseases of Stomach.

Supervisor, Julius Friedenwald, M.D.

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Supervisor, A. C. Gillis.

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Diseases of Eye and Ear.

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Neuro-Otology.

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L. J. Rosenthal, M.D.

Dermatology.

Melvin Rosenthal, M.D.

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Attending Urologist.

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Consulting Oculist.

HIRAM WOODS, M.D.

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Otologist.
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Urologist.
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FRANK AYD, M.D.

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Neurologist.
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Visiting Proctologist.

G. MILTON LINTHICUM, *A.M., M.D.*

Pathologist.

SYDNEY M. CONE, A.M., M.D.

MATRICULATES, UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE AND COLLEGE OF PHYSICIANS AND SURGEONS. 1920—1921.

POST-GRADUATES AND SPECIAL STUDENTS.

Name	State
Chapman, Arthur Wm.	New York
Feinstein, Elliott	Maryland
Hunt, Rose B.	Maryland
Lang, Robert Gibson	West Virginia
Mayoral, Joaquin	Cuba
Pritchard, Ruth S.	Bahama Islands
Wiener, Joseph	New York

FOURTH YEAR CLASS.

Name	State
Aubrey, John Forsyth	Maryland
Badagliacca, Francis Lucian	New Jersey
Barnes, Bruce	New Jersey
Benson, Carl Fisher	Maryland
Bernardo, John Ralph	Delaware
Bonfiglio, Vincent	Maryland
Bose, Jogesh Chandra, B. S.	Maryland
Broadrup, Earl Edgar	Maryland
Castro, Andres G.	Costa Rica
Costa, Oscar G.	Porto Rico
Culver, Samuel Hearn	Delaware
Dorf, Herman Jacob	New York
Fisher, C. F.	West Virginia
Fisher, Daniel Sebastian	Maryland
Foley, Charles J.	Maryland
Franklin, Joseph P., B. A.	Alabama
Freedom, Leon	Maryland
Gardner, Willetts Walton, A. B.	New York
Golley, Kyle Wood	Maryland
Grabill, J. Stanley	Maryland
Guyton, John Willis	Maryland
Hawks, Cyrus Eugene	Virginia
Heitsch, Hubert Messner	Michigan
Hobgood, Legan Henry, B. S.,	Massachusetts
Hoheb, Albert Salomon	Porto Rico
Holofcener, Julius I.	Maryland
Jaffe, Albert	Maryland
John Baxter, S.	Virginia
Joska, Vincent Vernon	Maryland
Joyner, George Richardson	Virginia
Keegan, Daniel Francis, B. A.	Connecticut
Kemp, Richard Joseph	Maryland
Lass, Louis	New York
Luban, Benjamin	New York
McCoy, Arley Von, A. B.	West Virginia
Martinez, Ezequiel	Porto Rico
Matthews, Stanley Wm.	North Carolna
Monniger, Arthur Cecil	Pennsylvania
O'Rourk, Thomas Rutter	Maryland
Pacienzo, Frank Anthony	Maryland
Paulson, Moses	Maryland
Peters, Edgar Allan Poe, B. S.	Kentucky
Pillsbury, Harold C.	Maryland
Plyler, Ralph Johnson, A. B.,	North Carolina
Pokorny, Joseph	Maryland
Quinones, Norberto A.	Porto Rico
Reynolds, Francis A.	Massachusetts
Ries, Ferdinand A.	Maryland
Romilly, Harold A.	Virginia
Ryon, James Barry, A. B.	Maryland
Sabin, Fred C.	New York
Savage, Philip J.	Connecticut
Schilling, Jesmond Wm.	Pennsylvania
Seay, Thomas Waller	Virginia
Sherman, Solomon	Maryland
Shircliff, Elliott Walter	Maryland
Shubert, Felix S.	Pennsylvania
Skvarla, John Augustus	New Jersey
Sowers, Jacob Long, B. S.,	North Carolina
Stone, Saul Gordon	Ohio
Szczerbicki, John Valentine	Maryland
Tilghman, Stanley J.	Maryland
Timko, Louis Michael	Pennsylvania
Waugler, Herman Ernest	New York
Ward, Edwin E.	Maryland
Weinkauf, Ferdinand	Michigan
Wells, George Edward	Maryland
Wiest, Paul Foreman	West Virginia
Wilkerson, James Herbert	Maryland
Williams, Mortimer H.	Virginia
Wilson, W. Wellford, Phar. D.,	Maryland
Wolfe, James Clinton	New Jersey
Yeager, Leslie Arno, B. S.	Maryland

THIRD YEAR CLASS.

Name	State
Bailey, Harry, B. A.	Connecticut
Bolewicki, Peter Edward, A. B.,	Maryland
Buchness, Anthony V., A. B.	Maryland
Champe, Jr., Ira Preston	West Virginia
Doshey, Louis Jacob, B. A.	New York
Fleischmann. Berthold, B. S.	New York
Freidus, Elias	New York
Fritz, Julius Dudley	New York
Fulton, William James	Maryland
Ginsberg William, B. A.	New York
Goldmann, Bernhard Alexander,	Pennsylvania
Gollick, William A., B. S.	New Jersey
Gordon, Herbert	New York
Greenbaum, Leonard Harry	Maryland
Groff, Morris	New York
Hatfield, Daniel S.	West Virginia
Halley George C.	Idaho
Harman, Robert Dave, B. S.	West Virginia
Hollister, William, B. S.	North Carolina
Horowitz, Herman Jack, B. S.,	New York
Huff, William, B. A.	Virginia
Ingram, David N.	Maryland
Keefe, George G., A. B.	Connecticut
Kerdasha, Geo.	New Jersey
Krager, John J., B. A.	Maryland
Kunkowski, Andrew	Maryland
Lang, Milton Charles	Maryland
Lawson, Lawrence Wells, B. A.,	West Virginia
Linke, Julian P.	New Jersey
McCoy, C. Glen, A. B.	West Virginia
Mercier, Albin Scott, A. B.	Maryland
Middlemiss, Wm. Robert, B. S.	Utah
Morgan, Edw. Nicholas	New York
O'Connor, John Andrew, A. B.	Maryland
Noll, Louis, B. S.	Connecticut
Payne, John Edward, B. S.,	West Virginia
Peters, H. Raymond, B. A.	Maryland
Pittman, Henry Lee	North Carolina
Pullen, Guy Foote	Connecticut
Rhodes, Bricey Milton	Florida
Rudisill, John David, A. B.,	North Carolina
Salzberg, Abraham	New York
Saporito, Archibald R.	New Jersey
Sekerak, Arthur Joseph Francis,	Connecticut
Scotellaro, Nicholas J	New York
Shannon, George Edmon	Maryland
Shapin, Sydney	New York
Shapiro, Louis Mendelsohn, B. A.,	Connecticut
Sternberg, Harry	New York
Stovin, Joseph Samuel, Ph. B.,	Connecticut
Stout, Philip David, B. A.	Tennessee
Sweet, Samuel Waterman, B. S.,	New York
Trynin, Aaron H., B. A.	New York
Warfield, Jr., John Ogle, A. B.,	Pennsylvania
Wilson, Thomas Norwood, A. B.,	Maryland

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Name	State
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Berkson, Morris I.	Pennsylvania
Cortese, Anthony Edward	New Jersey
Dart, Frederick Bond	Connecticut
Desane, Joseph	New York
Edmonds, John Milton	Michigan
Evatt, Clay Welbourn	South Carolina
Feraca, Salvadore J.	New York
Gillum, Donald A.	Maryland
Glass, Benjamin E.	New Jersey
Goldberg, Ben	New York
Gutowski, Joseph Matthew	New Jersey
Hagerman, Paul	West Virginia
Harp, J. Elmer	Maryland
Hirsch, Philip	New York
Hundley, Jr., John T. T., A. B.	Virginia
Keith, Marion Yates	North Carolina
Kenney, Joseph R., A. B.	Pennsylvania
Knipp, George S.	Maryland
Kraut, Arthur Milton	New Jersey
Kyper, Frederick	Pennsylvania
Long, Ira C., A. B.	North Carolina
Love, Jr., William S., A. B.	Maryland
McLean, Herbert, B. A.	New Jersey
McVay, Edward A., A. B.	Rhode Island
*Maurillo, Dominick Francis, A. B.,	New York
Newcomer, David Redenon, B. S.,	Maryland
Parson, Willard Sigsbee	Pennsylvania
Peterman, James Elmer	Pennsylvania
Pontery, Herbert	New Jersey
Povalski, Alexander William	New Jersey
*Rio, del Juan	Porto Rico
Rothfuss, Paul A., B. S.	Pennsylvania
Ruche, Harry Charles	Pennsylvania
Schorr, Richard	New York
Shealy, Walter Hal, B. A.	South Carolina
Smith, Charles Franklin	Pennsylvania
Steincrohn, Peter Joseph	Connecticut
Sussman, Abram Alles	Maryland
Touhey, Thomas Joseph	Delaware
Ware, Jr., Harry Hudnall	Virginia
Wasserstrom, Sidney	New York
Weinert, Henry V.	New Jersey
White, Robert Stanislaus	West Virginia

*Note—Not in attendance.

FIRST YEAR CLASS.

Name	State
Allen, Moore Lowry	Utah
Anderson, Albert Louis	Maryland
Antonius, Nicholas	New Jersey
Austerlitz, John, Phar. D.	Maryland
Barnes, D. Keith	Utah
Bartlett, Jr., Charles Wm.	Florida
*Battistini, Pedro Arrache	Porto Rico
Bentz, Felix	Connecticut
Bershatsky, William	New York
Bleier, Louis	New York
Boyd, Kenneth Bray	Maryland
Briglia, Nicholas Natale	Pennsylvania
Carter, Carl John	West Virginia
*Davila, Jose Esteban	Porto Rico
Edelman, Edward Isidor	New York
Fisher, Harry Richard	New York
Flax, Ira Isador	New Jersey
Friedman, Bernard	New York
Friedman, Irving	New Jersey
Gattens, Wilber Elton	Maryland
Gottlieb, Bernard Norman	New York
Granoff, Joseph F.	New York
Greifinger, Marcus Harry	New Jersey
Grimm, Wilson O.	West Virginia
Grossblatt, Philip	New Jersey
Hamilton, Dewey Dallas	West Virginia
Howell, Clewell, B. S.	North Carolina
Jacobson, Philip	Maryland
Kauffman, Aaron W.	Pennsylvania
Koons, Earle Weant, B. S.	Maryland
Knox, Joseph Clyde	North Carolina
Kraczyk, Michael Joseph	New Jersey
Kratz, Fred William	Maryland
Lalley, Paul Francis	Pennsylvania
Lehman, Julius	New York
Leibensperger, George F.	Pennsylvania
Levine, Samuel	New Jersey
McLane, William Oliver, B. S.	Maryland
Marciniak, Edward S.	New Jersey
Marsh, James T., A. B.	Maryland
Marton, Samuel	New York
Maseritz, Isidore	Maryland
Megahan, Burke	Pennsylvania
Messinger, Benjamin	New York
Miller, Benjamin	Maryland
Miller, Jacob	Maryland
Miller, Jose G.	Maryland
Molinsky, Meyer	New York
Moriarty, Louis	Connecticut
Morris, Philip	New York
Morrison, Jr., William Henry,	Pennsylvania
*Munoz, Justo Luis	Porto Rico
Nash, A. E.	New Jersey
Nelson, James Wharton, A. B.	Maryland
Neustaedter, Theodore	New York
Nocera, Domingo	Porto Rico
Norment, John E., A. B.	Maryland
Oyler, Ralph Ziegler, B. S.	Pennsylvania
Pachtman, Isadore	Pennsylvania
Perry, Arch. H.	North Carolina
Pitkowsky, Louis	New York
*Rodriguez, Virgilio Ortiz	Porto Rico
Sarubin, Benjamin	Maryland
Scagnetti, Albert	New York
Scheindlinger, Morris I.	New York
Schlenger, Leo Brenner	New Jersey
Schultz, Louis Ariel	New York
Scimeca, Antonio Adolfo	New York
Seliger, Robert V.	New York
Shapiro, Ralph N.	New Jersey
Tabershaw, Arnold Leon	New York
Taub, Samuel	New York
Theuerkauf, Frank Joseph	Pennsylvania
Urbanski, Adrian Xavier	New Jersey
Weiner, Hymen L.	Pennsylvania
Weinstock, Alex. A.	New York
Whaley, Thomas Bravard	Maryland
Woodyard, Edwin Sayre	West Virginia
Zaslow, John	New York

*Note—Not in attendance.

GENERAL SUMMARY OF STUDENTS ATTENDING THE UNIVERSITY OF MARYLAND, SESSION OF 1920-21.

College of Home Economics	21
College of Agriculture	218
College of Engineering	114
College of Liberal Arts	76
College of Education	40
The School of Chemistry	30
The Graduate School	23
The Summer School, 1920	208
The Department of Military Science and Tactics	194
School of Medicine	252
School of Law	474
School of Dentistry	157
School of Pharmacy	75
Total	1,882

GRADUATES, UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE AND COLLEGE OF PHYSICIANS AND SURGEONS, JUNE 1, 1921.

Name	State
Aubrey, John Forsyth	Maryland
Badagliacca, Francis Lucian	New Jersey
Barnes, Bruce	New Jersey
Benson, Carl Fisher	Maryland
Bernardo, John Ralph	Delaware
Bonfiglio, Vincent	Maryland
Bose, Jogesh Chandra, B. S.	Maryland
Broadrup, Earl Edgar	Maryland
Castro, Andres B.	Costa Rica
Costa, Oscar G.	Porto Rico
Culver, Samuel Hearn	Delaware
Dorf, Herman Jacob	New York
Fisher, C. F.	West Virginia
Fisher, Daniel Sebastian	Maryland
Foley, Charles J.	Maryland
Franklin, Joseph P., B. A.	Alabama
Freedom, Leon	Maryland
Gardner, Willetts Walton, A. B.	New York
Golley, Kyle Wood	Maryland
Grabill, J. Stanley	Maryland
Guyton, John Willis	Maryland
Hawks, Cyrus Eugene	Virginia
Hobgood, Legan Henry	Massachusetts
Hoheb, Albert Salomon	Porto Rico
Holofcener, Julius I.	Maryland
Jaffe, Albert	Maryland
John, Baxter S.	Virginia
Joska, Vincent Vernon	Maryland
Joyner, George Richardson	Virginia
Keegan, Daniel Francis, B.A.	Connecticut
Kemp, Richard Joseph	Maryland
Lass, Louis	New York
Luban, Benjamin	New York
McCoy, Arley Von, A. B.	West Virginia
Martinez, Ezequiel	Porto Rico
Matthews, Stanley William	North Carolina
O'Rourk, Thomas Rutter	Maryland
Pacienzo, Frank Anthony	Maryland
Paulson, Moses	Maryland
Peters, Edgar Allan Poe, B. S.	Kentucky
Pillsbury, Harold C.	Maryland
Plyler, Ralph Johnson, A. B.,	North Carolina
Pokorny, Joseph	Maryland
Quinones, Norberto A.	Porto Rico
Reynolds, Francis A.	Massachusetts
Ries, Ferdinand A.	Maryland
Romilly, Harold A.	Virginia
Ryon, James Barry, A. B.	Maryland
Sabin, Fred C	New York
Savage, Philip J.	Connecticut
Schilling, Jesmond Wm.	Pennsylvania

Name	State
Seay, Thomas Waller	Virginia
Sherman, Solomon	Maryland
Shircliff, Elliott Walter	Maryland
Shubert, Felix S.	Pennsylvania
Skvarla, John Augustus	New Jersey
Sowers, Jacob Long, B. S.,	North Carolina
Stone, S. Gordon	Ohio
Szczerbicki, John Valentine	Maryland
Tilghman, Stanley J.	Maryland
Timko, Louis Michael	Pennsylvania
Wangler, Herman Ernest	New York
Ward, Edwin E.	Maryland
Weinkauf, Wm. Ferdinand	Michigan
Wells, George Edward	Maryland
Wiest, Paul Foreman	West Virginia
Wilkerson, James Herbert	Maryland
Williams, Mortimer H.	Virginia
Wilson, W. Wellford, Phar. D.	Maryland
Wolfe, James Clinton	New Jersey
Yaeger, Leslie Arno, B. S.	Maryland

PRIZEMEN.

University Prize—Gold Medal.....Oscar G. Costa
Certificate of Honor.....James Herbert Wilkerson
Certificate of Honor.....Charles Frederick Fisher
Certificate of Honor.....Ferdinand A. Ries
Certificate of Honor.....John Ralph Bernardo
Certificate of Honor.....Jogesh Chandra Bose
Clinical Medicine Prize.....Charles F. Fisher

In the third year the Jose L. Hirsch prize of $50.00 was awarded to John Ogle Warfield, Jr., for the best work in Pathology during the second and third years.

THE UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE

AND

COLLEGE OF PHYSICIANS AND SURGEONS.

As a result of the merger accomplished in 1915 the combined schools offer the student the abundant resources of both institutions, and, in addition, by earlier combination with the Baltimore Medical College, the entire equipment of three large medical colleges.

The School of Medicine of the University of Maryland is one of the oldest foundations for medical education in America, ranking fifth in point of age among the medical colleges of the United States. It was chartered in 1807, under the name of the College of Medicine of Maryland, and its first class was graduated in 1810. In 1812 the College was empowered by the Legislature to annex three other colleges or faculties, of Divinity, of Law, and of Arts and Sciences, and the four colleges thus united were "constituted an University by the name and under the title of the University of Maryland."

Established thus for more than a century, the School of Medicine of the University of Maryland has always been a leading medical college , especially prominent in the South and widely known and highly honored throughout the country.

The beautiful college building at Lombard and Greene Streets, erected in 1814-1815, is the oldest structure in America devoted to medical teaching. Here was founded one of the first medical libraries and the first medical college library in the United States.

Here for the first time in America dissecting was made a compulsory part of the curriculum; here instruction in Dentistry was first given (1837), and here were first installed independent chairs for the teaching of Diseases of Women and Children (1867) and of Eye and Ear Diseases (1873).

The School of Medicine was one of the first to provide for adequate clinical instruction by the erection in 1823 of its own hospital, and in this hospital intramural residency for the senior student was first established.

In 1913 Juncture was brought about with the Baltimore Medical College, an institution of 32 years' growth. By this association the facilities of the School of Medicine were enlarged in faculty, equipment and hospital connection.

The College of Physicians and Surgeons was incorporated under the Legislative enactment in 1872, and established on Hanover Street in a building afterwards known as the Maternité, the first obstetrical hospital in Maryland. In 1878 union was effected with the Washington University School of Medicine, in existence since 1827, and the College was removed to its present location at Calvert and Saratoga Streets. By this arrangement, medical control of the City Hospital, now the Mercy Hospital, was obtained, and on this foundation in 1899 the present admirable college building was erected.

CLINICAL FACILITIES.

HOSPITALS AND DISPENSARIES.

UNIVERSITY HOSPITAL.

The University Hospital, which is the property of the Faculty of Physic of the University of Maryland, is the oldest institution for the care of the sick in the State of Maryland. It was opened in September, 1823, under the name of the Baltimore Infirmary, and at that time consisted of but four wards, one of which was reserved for eye cases. By successive additions this hospital was increased to more than fourfold its original accommodations, there being added to it a large clinical amphitheatre, a students' building for the accommodation of the thirty clinical assistants, and a nurses' building for the accommodation of the pupils of the Training School for Nurses. The yearly increase in the number of patients seeking admission to the hospital, however, more than kept pace with the increase in accommodations, and the Faculty therefore erected an entirely new and modern hospital of fully double the capacity of the former building.

The University Hospital is constructed of brick and Tennessee limestone in the Colonial style of architecture, fronting 175 feet upon Lombard Street, and about the same on Greene Street. It is supplied with the most modern and approved system of heat-

ing, ventilation, etc., and equipped with all modern requirements and conveniences for the care of the sick, and for the clinical instruction of the students of the University.

It is one of the largest and finest hospitals owned and controlled by any medical school in America, and in point of architectural beauty, convenience and completeness of arrangements and equipment compares favorably with other hospitals.

An important adjunct to the hospital is the postmortem building, which is constructed with special reference to the instruction of students in pathological anatomy.

The hospital is situated opposite the University building, so that the student loses no time in passing from the lecture halls to the clinical amphitheatre, dispensary and wards.

A portion of the hospital is used as a marine hospital for foreign seamen. The great importance of Baltimore as a shipping point brings into her harbor many vessels from all parts of the world, and the sick sailors who are cared for in the wards of the institution give the students an opportunity to observe a large variety of diseases. Another considerable portion of the building is used as a Municipal Hospital, and contains charity beds supported by the City of Baltimore. This department of the hospital is taxed to its utmost capacity to afford accommodations for the patients seeking admission.

Owing to its location, being the nearest hospital to the largest manufacturing district of the city, the University Hospital receives for treatment a very large number of accident cases of all kinds, both slight and serious. These cases, as well as patients suffering from the various diseases of our own climate, occupy the beds, and add greatly to the facilities of clinical teaching enjoyed by the school. The facilities for clinical instruction have been greatly enlarged by an appropriation by the State of Maryland for the support of free beds for patients from the various counties.

MERCY HOSPITAL.

The Sisters of Mercy first assumed charge of the Hospital at the corner of Calvert and Saratoga streets, then owned by the Washington University, in 1875. By the merger of 1878 the Hospital came under the control of the College of Physicians and Surgeons, but the Sisters continued their work of administering to the patients.

In a very few years it became apparent that the City Hospital, as it was then called, was much too small to accommodate the

rapidly growing demands upon it. However, it was not until 1888 that the Sisters of Mercy, with the assistance of the Faculty of the College of Physicians and Surgeons, were able to lay the cornerstone of the present Hospital. This building was completed and occupied late in 1889. Since then the growing demands for more space has compelled the erection of additions, until now there are accommodations for 351 patients.

In 1909 the name was changed from The Baltimore City Hospital to Mercy Hospital.

Mercy Hospital is located in the center of a city of 750,000 inhabitants, and is under the exclusive medical control of the College of Physicians and Surgeons. It adjoins the College building, and all surgical patients from the public wards are operated upon in the College operating rooms. This union of the Hospital and College buildings greatly facilitate the clinical teaching, as there is no time lost in passing from one to the other.

Mercy Hospital is the hospital of the United Railways and Electric Company of Baltimore City, and receives patients from the Baltimore & Ohio Railroad Company and from the Pennsylvania Railroad Company and its branches.

During the calendar year of 1920 there were treated in the various departments of this hospital more than 20,000 people.

FRANKLIN SQUARE HOSPITAL.

The Franklin Square Hospital has a capacity of 112 beds. During the year ending December 31, 1920, 1,505 cases were treated in the hospital, and 1,280 patients were treated in the dispensary. Ten hundred and thirty-nine surgical operations were performed in the hospital.

LYING-IN HOSPITALS.

MATERNITY HOSPITAL OF THE UNIVERSITY OF MARYLAND.

This institution is also the property of the Faculty of Physic and under its exclusive control and direction, and is conducted with the special purpose of furnishing actual obstetrical experience to each member of the graduating class.

New accommodations have been provided in the general hospital, and the Maternity Department now offers better facilities than ever before, while the large increase in clinical material has made it possible to offer excellent opportunities for post-graduate work.

THE WEST END MATERNITY.

The West End Maternity adjoins the Franklin Square Hospital and furnishes an abundance of clinical material, which is under the control of the Faculty of Physic.

OUT-PATIENT CLINIC AND DISPENSARY.

In connection with the University Hospital an out-door obstetrical clinic is conducted, in which every case has careful prenatal supervision, is attended during labor by a graduate physician and graduate nurse—one senior student also being present—and is visited during the puerperium by the attending student and graduate nurse. Careful prenatal, labor and puerperal records are kept, making this work of extreme value to the medical student, not only from the obstetrical standpoint, but in making him appreciate the value of social service and public health work.

NUMBER OF PATIENTS.

During the year ending December 31, 1920, the number of patients treated in the Lying-In hospitals connected with the School was as follows:

Number of Confinements in Hospitals	348
Number of Confinements Out-Patient Department	904
Average number of cases seen by each student of the graduating class	18

THE MUNICIPAL HOSPITALS—BAY VIEW.

The clinical advantages of the University have been largely increased by the liberal decision of the Board of Supervisors of City Charities to allow the immense material of these hospitals to be used for the purpose of medical education. There are daily visits and clinics in medicine and surgery by the Staff of the hospitals. The autopsy material is unsurpassed in this country in amount, thoroughness in study, and the use made of it in medical teaching.

The Municipal Hospitals consist of the following separate hospitals:

The General Hospital, 160 beds.

The Hospital for Chronic Cases, 88 beds.

The Municipal Hospital for Tuberculosis, 190 beds.

City Detention Hospital for Insane, 450 beds.

THE JAMES LAWRENCE KERNAN HOSPITAL AND INDUSTRIAL SCHOOL OF MARYLAND FOR CRIPPLED CHILDREN.

This institution contains seventy-five beds for the active treatment of deformities. It is situated at "Radnor Park," a colonial estate of seventy-five acres at Hillsdale, within the western city limits, reached by trolley.

This institution has city, state, endowed and private beds and every modern facility for the treatment of orthopedic cases as well as a most beautiful park-like environment and farm, and is closely affiliated with the University of Maryland, for bed-side instruction.

ST. VINCENT'S INFANT ASYLUM.

The facilitiess of this institution, containing 250 infants and children, have been kindly extended to the University of Maryland by the Sisters of Charity. This large clinic enables this school to present to its students liberal opportunities for the study of diseases of infants and children.

INSTITUTIONS FOR THE TREATMENT OF THE INSANE AND FEEBLE-MINDED.

The Sheppard and Enoch Pratt Hospital for the Insane. This institution is one of the most modern hospitals for the treatment and care of the insane in this country. It is well endowed and its superintendent is R. M. Chapman, M.D., Clinical Professor of Psychiatry at the University of Maryland. In this hospital intensive treatment and study of mental diseases is carried on, a large number of the patients entering voluntarily. The students under the direction of Dr. Chapman and his assistants in a series of clinics are shown the early manifestations and the various stages of mental diseases, the methods of treatment, and their effects.

Mount Hope Retreat for the Insane. This hospital contains an average of 750 patients and is attended by Dr. Chas. G. Hill, Professor of Psychiatry of this faculty. Under the direction of Dr. Hill and his assistants the students are given opportunity for the study of large groups of patients showing all phases of various mental and nervous disorders.

DISPENSARIES.

The dispensaries associated with the University Hospital and the Mercy Hospital are organized upon a uniform plan in order that the teaching may be the same in each. Each dispensary has the following departments: Medicine, Surgery, Children, Eye and Ear, Genito-Urinary, Gynecology, Gastro-Enterology, Neurology, Orthopedics, Proctology, Dermatology, Throat and Nose, and Tuberculosis.

All students in their junior year work in the departments of Medicine and Surgery each day in one of the dispensaries.

All students in their senior year work in the special departments one hour each day.

Some idea of the value of these dispensaries for clinical teaching is shown by the number of patients treated. For the year 1920 about sixty-seven thousand visits were made to the dispensaries.

In addition to these the Dental Department, situated upon the grounds of the University, conducts a daily clinic which is open to medical students.

University Hospital Dispensary Report, January 1. to December 31. 1920.
J. A. Skladowski, M.D., Dispensary Physician.

Department.	*New Cases.*	*Old Cases.*	*Total.*
Skin	2,561	4,412	6,973
Children	1,318	4,219	5,537
Obstetrical	1,285	2,811	4,096
Surgical	841	3,247	4,088
Eye and Ear	1,014	1,575	2,589
Gynecology	598	1,638	2,236
Medical	725	1,502	2,227
Genito-Urinary	557	1,480	2,037
Neurology	126	1,682	1,808
Orthopedics	92	1,067	1,159
Gastro-Enterology	103	713	816
Nose and Throat	353	442	795
Tuberculosis	122	171	293
Proctology	32	48	80
	9,727	25,007	34,734

Mercy Hospital Dispensary Report, January 1 to December 31, 1920.
B. S. Hanna, M. D., Dispensary Physician.

Dispensary Clinics.	*Old.*	*New.*	*Total.*
Surgical	2,367	933	3,300
Medical	627	846	1,473
Gynecological	705	416	1,121
Eye and Ear	440	418	858
Nose and Throat	702	556	1,258
Neurological	460	221	681
Pediatric	33	31	64
Gastro-Intestinal	631	262	893
Dental	28	40	68
Proctological	25	46	71
Orthopedic	128	85	213
Dermatological	222	219	441
Genito-Urinary Surgery	20,193	1,734	21,927
Total	26,561	5,807	32,368

LABORATORIES.

ANATOMICAL LABORATORIES.

These laboratories are in charge of the Professor of Anatomy and his assistants. The University has recently built its own storage and embalming plant, which supplies an abundance of anatomical material. Anatomical material is furnished in abundance, free of charge.

LABORATORY OF EXPERIMENTAL PHYSIOLOGY.

This laboratory occupies the first floor of Gray Laboratory; it includes a large student laboratory, with capacity of forty students, a room completely equipped for mammalian experimentation, a stock-room, and an office for the professor in charge. Within the same building there is an animal room in which there is kept a constant supply of material for experimentation and demonstration. The laboratory is equipped with ample apparatus: there is a complete set of student apparatus available for each group of two students, while the special apparatus for laboratory experimentation and class-room demonstration is adequate for the needs of the courses.

LABORATORY OF PHYSIOLOGICAL CHEMISTRY.

(See page 52.)

LABORATORY OF HISTOLOGY AND EMBRYOLOGY.

This laboratory is fully equipped for teaching Histology and Embryology.

There is a large collection of charts, specimens and apparatus used in teaching. The necessary equipment for the practice of technique is provided.

LABORATORIES OF PATHOLOGY AND BACTERIOLOGY.

The subject of special bacteriology is taught during a portion of the second year in a well equipped laboratory containing sterilizers, water baths, and other necessary equipment for this purpose.

The subject of histopathology is also taught during the second year in a properly equipped laboratory. The details concerning this work are described under the subject of Department of Pathology and Bacteriology.

The instruction in gross pathology is obtained during the third year by attendance upon the autopsies at the University Hospital and the Mercy Hospital, and special instruction in this subject is also given by demonstrations with a large amount of pathological material at the City Hospitals situated at Bay View. The subject of gross pathology is also taught in the third year by means of lectures and demonstrations to sections of the third year class and a special effort is made to apply this subject to the explanation of the symptoms and clinical signs of disease. The instruction in autopsy technique is also given personally to small groups of students.

LABORATORIES OF CLINICAL PATHOLOGY.

These laboratories are fully equipped for the study of practical laboratory work in its relationship to clinical medicine. Each student is supplied with a locker, containing sufficient apparatus for any ordinary examination.

The wards and out-patient departments of the hospitals furnish an abundance of material for study.

By reason of individual equipment, much work outside of class hours is expected of the student.

The class rooms are adequately lighted, and are conveniently situated for teaching purposes.

LIBRARIES.

The University Library, founded in 1813 by the purchase of the collection of Dr. John Crawford, now contains 14,259 volumes, a file of 58 current journals, and several thousand pamphlets and reprints. During the year ending December 31, 1920, 141 volumes were added. It is well stocked with recent literature, including books and periodicals of general interest. The home of the Library is Davidge Hall, a comfortable and commodious building in close proximity to the class rooms and the laboratories of the Medical Department. The Library is open daily during the year, except in August, for use of members of the Faculty, the students, and the profession generally.

The Library of the Medical and Chirurgical Faculty of Maryland, containing many thousands of volumes, is open to the students of the school. The leading medical publications of the world are received by the library and complete sets of many journals are available. Other libraries of Baltimore are the Peabody (181,000 volumes) and the Enoch Pratt Free Library (355,817 volumes).

All these libraries are open to the students of the school without charge.

The proximity of Washington places the immense libraries of the national capital at the disposal of the students of the school.

ANNUAL APPOINTMENTS.

On February first of each session the following annual appointments are made from among the graduates of the school:

TO THE UNIVERSITY HOSPITAL

Medical Superintendent.
Five Senior Residents, viz:
  Two Resident Surgeons.
  One Resident Physician.
  One Resident Gynecologist and Obstetrician.
  One Resident Pathologist.
Thirteen Junior Residents on a rotating service.

A number of students are appointed each year, at the close of the session, as Clinical Assistants in the University Hospital for the summer months.

TO THE MERCY HOSPITAL.

Chief Resident Physician.
Six Resident Surgeons.
Four Resident Physicians.
One Resident Gynecologist.
One Resident Obstetrician.

TO THE MARYLAND GENERAL HOSPITAL.

Medical Superintendent:
Four Senior Residents, viz:
One Resident Surgeon.
One Resident Physician.
One Resident Gynecologist.
One Resident Obstetrician.
Eight Junior Residents on a rotating service.

Each resident serves a term in every department, including the pathological laboratory and the Maryland Lying-in-Hospital.

Many appointments to other hospitals of Baltimore are made annually, to which graduates of this school are eligible.

REQUIREMENTS FOR MATRICULATION.

Admission to the course in medicine is by a completed Medical Student Certificate issued by the State Department of Education of Maryland. This certificate is obtained from the Department of Education on the basis of satisfactory credentials, or by examination and credentials, and is essential for admission to any class.

The requirements for the issuance of the Medical Student Certificate are:

(a) The completion of a standard four-year high school course or the equivalent, and in addition,

(b) Two years or sixty semester hours of college credits, including chemistry, biology, physics, and English.

Women are admitted to the Medical Department of this University.

(A) DETAILS OF THE HIGH SCHOOL REQUIREMENT.

1. Graduation from an accredited high school after pursuing a four-year course based upon an eight-year elementary course or its full equivalent; or

2. Successfully passing entrance examinations in the following subjects:

(*a*) *Required Eleven* (11) *Units.*

	Units.
English, 4 years	3
Elementary and Intermediate Algebra	1
Plane Geometry (first five books)	1
Two years of a foreign language	2
Two of the three sciences—Biology, Chemistry, Physics	2
American History and Civics	1
Ancient History or English History	1

(*b*) *Electives. Four* (4) *Units.*

(1) History and Political Science:	
Ancient History or English History	1
Mediaeval and Modern History	1 or ½
General History	1 or ½
Civics	½
Economics	½
(2) Language:	
French 2 years	2
German 2 years	2
Greek 2 years	2
Hebrew 2 years	2
Italian 2 years	2
Latin 1 or 2 years	1 or 2
Spanish 2 years	2
(3) Mathematics:	
Advanced Arithmetic	½
Advanced Algebra	1
Plane Trigometry	½
Solid Geometry	½
(4) Science:	
Physics, Biology or Chemistry	1
Physical Geography and Geology	1
Astronomy	½
Physiology and Hygiene	½
(5) Vocational and cultural subjects:	
Agriculture	1
Bookkeeping	1
Commercial Geography	½
Domestic Science	1
Drawing { Mechanical 1 and 2	½ each
Drawing { Freehand 1 and 2	½ each
Manual Training	1
Music	1
Stenography	1 or 2

One unit in any subject is the equivalent of work in that subject for five periods per week for a year of at least thirty-six weeks, periods to be not less than forty-five minutes in length. One unit is equivalent to 2 semester credits or 2 points.

(B) DETAILS OF THE COLLEGE REQUIREMENT.

a. The preliminary college course shall extend through two college sessions of at least thirty-two weeks each of actual instruction, including final examinations.

b. In excellence of teaching and in content, the work of this preliminary college course shall be equal to the work done in the freshman and sophomore years in standard colleges and universities.

c. This preliminary college course shall include courses in physics, chemistry, biology, and English, each course to embrace at least six, eight or twelve hours of work in each subject, as shown in the schedule following.

SCHEDULE OF SUBJECTS OF THE TWO-YEAR PRE-MEDICAL COLLEGE COURSE.

Sixty Semester Hours Required.

Required Courses:	*Semester Hours.*
Chemistry (a)	12
Physics (b)	8
Biology (c)	8
English Composition and Literature (d)	6

Courses Strongly Urged:

A modern foreign language.
Comparative vertebrate anatomy
Psychology
Social science

A semester hour is the credit value of sixteen weeks' work consisting of one lecture or recitation period per week, each period to be of not less than fifty minutes' duration net, at least two hours of laboratory work to be considered as the equivalent of one lecture or recitation period.

(a) Chemistry. Twelve semester hours required, of which at least eight semester hours must be in general inorganic chemistry, including four semester hours of laboratory work. In the interpretation of this rule, work in qualitative analysis may be counted as general inorganic chemistry. The remaining four semester hours required shall consist of work in organic chemistry.

(b) Physics. Eight semester hours required, of which at least two must be laboratory work. This course presupposes a knowledge of plane trigonometry.

(c) Biology. Eight semester hours required, of which four must be laboratory work. This requirement may be satisfied by a course of eight semester hours in either general biology or zoology, or by courses of four semester hours each in zoology and botany, but not by botany alone. The requirement may be satisfied also by 6 semester hours of college biology, including three semester hours in laboratory work, if preceded by a year (one unit) of high school biology.

(d) English Composition and Literature. The usual introductory college course of six semester hours, or its equivalent, is required.

POST-GRADUATE STUDENTS.

Graduates in medicine desiring to take the work of the senior year without being candidates for the degree and, therefore, without examination, may receive a certificate of attendance on completing the full course satisfactorily.

The requirements for graduates in medicine admitted to the fourth year class as candidates for the degree of Doctor of Medicine are the same as those enforced against undergraduates admitted to advanced standing.

COMBINED COURSE IN ARTS AND MEDICINE.

Students who have completed the junior year in our School of Liberal Arts and who have made an approved choice of electives may, if they desire, do the entire work of the senior year in the medical school of the University. If they successfully complete the work of the first medical year they are graduated with their class with the degree of Bachelor of Arts.

By taking advantage of this privilege a man may complete the Undergraduate and Medical courses in seven years.

During three of these years or until he has completed the work of the junior class he is a resident student in the School of Liberal Arts at College Park, Maryland, and for four years he is a student in the Medical School in Baltimore.

At the end of the fourth year he receives the A.B. degree, and at the end of the seventh year the M.D. degree, but credit from

the Medical School cannot be accepted in subjects for which credit has already been given in the School of Liberal Arts.

The same privilege is allowed students of St. John's College, Annapolis, Maryland.

Special premedical courses have been arranged in our School of Liberal Arts at College Park and also by St. John's College at Annapolis.

RULES.

1. All students are required to stand the spring examinations unless excused by the Dean. No student will be permitted to advance from a lower to a higher class with conditions.

2. Should a student be required to repeat any year in the course he must pay regular fees.

3. A student failing in final examination for graduation at the end of the fourth year will be required to repeat the entire course of the fourth year and to take examinations in such other branches as may be required, should he be again permitted to enter the school as a candidate for graduation.

4. The general fitness of a candidate for graduation will be taken into consideration by the Faculty as well as the results of his examinations.

All the above rules, as well as the fees stated below, relate to the year ending June 1, 1922, only. The right is reserved to make changes in the curriculum, requirements for graduation, fees and all the regulations whenever the Faculty deem it expedient.

FEES.

Matriculation fee (paid each year)	$5.00
Tuition fee (each year)	250.00
Breakage fee (each year)	10.00
Special and re-examination fee	5.00

No fees are returnable, except unused portion of breakage fee.

Tuition fees are due and payable during October.

The above fees apply to all students who matriculate in this institution in any class for the session beginning October 3, 1921.

SPECIAL COURSES.

Anatomy	$75.00
Physiology	75.00
Pathology	75.00
Embryology	75.00
Bacteriology	75.00
Physiological Chemistry	75.00
Pharmacology	75.00
Clinical Laboratory (four months)	100.00
X-Ray (four months)	150.00
Orthopedic Surgery (four months)	150.00
Genito-Urinary Diseases (four months)	150.00
Gynecology and Gynecological Pathology	100.00-150.00
Obstetrics, Out-door — 6 weeks	$25.00
Obstetrics, Out-door — 4 months	50.00
Out-Door and In-Door — 6 weeks	50.00
Out-Door and In-Door — 4 months	100.00
Surgery (Clinical Surgery, Operative Surgery, Surgical Pathology)	By arrangement
Medicine	By arrangement
Laboratory Technician Course, including Bacteriology and Clinical Pathology	$150.00

If the courses are taken during holidays or if special supervision is desired or additional material required, the charge is made accordingly.

FACULTY PRIZE.

To stimulate study among the candidates for graduation, the Faculty offers a Gold Medal to the candidate who passes the best general examination. Certificates of Honor are awarded to the five candidates standing next highest.

JOSE L. HIRSCH PRIZE.

A prize of $50.00 is given each year by Mrs. Jose L. Hirsch as a memorial to the late Jose L. Hirsch, formerly Professor of Pathology in this school, to the student in the third year who has done the most satisfactory work in Pathology.

SCHOLARSHIPS.

The Dr. Samuel Leon Frank Scholarship.

This scholarship, established by Mrs. Bertha Rayner Frank as a memorial of the late Dr. Samuel Leon Frank, an alumnus of this University, entitles the holder to exemption from the payment of the tuition fee of that year.

It is awarded by the Trustees of the Endowment Fund of the University in each year upon nomination of the Medical Council, "to a medical student of the University of Maryland, who, in the judgment of said Faculty, is of good character and in need of pecuniary assistance to continue his medical course."

This scholarship is awarded to a second, third or fourth year student only, who has successfully completed one year's work in the medical course, and no student may hold such scholarship for more than two years.

The Charles M. Hitchcock Scholarships.

From a bequest to the School of Medicine by the late Charles M. Hitchcock, M.D., an alumnus of the University, two scholarships have been established which entitle the holders to exemption from payment of tuition fees for the year.

These scholarships are awarded annually by the Medical Council to students who have meritoriously completed the work of at least the first year of the course in medicine, and who present to the Faculty satisfactory evidence of good moral character and of inability to continue the course without pecuniary assistance.

The Randolph Winslow Scholarship.

This scholarship, established by Prof. Randolph Winslow, M.D., LL.D., entitles the holder to exemption from the payment of the tuition fee of that year.

It is awarded annually by the Trustees of the Endowment Fund of the University, upon nomination of the Medical Council, to "a needy student of the Senior, Junior, or Sophomore Class of the Medical School.

"He must have maintained an average grade of 85% in all his work up to the time of awarding the scholarship.

"He must be a person of good character and must satisfy the Medical Council that he is worthy of and in need of assistance."

The University Scholarships.

Two Scholarships are awarded by the University. One to a student of the Department of Liberal Arts appointed by the President: the other, which entitles the holder to exemption from payment of the tuition fee of the year, is awarded annually by the Medical Council to a student of the Senior Class who presents to the Medical Council satisfactory evidence that he is of good moral character and is worthy of and in need of assistance to complete the course.

The St. John's Scholarship.

This scholarship is awarded annually by the Medical Council upon the nomination of the President of St. John's College.

It entitles the holder to exemption from the payment of the tuition fee of that year.

Frederica Gehrmann Scholarship.

This scholarship was established by bequest of the late Mrs. Frederica Gehrmann and entitles the holder to exemption from payment of tuition fees. This scholarship is awarded to a second year student who at the end of the year passes the best practical examination in Anatomy, Physiology, Physiological Chemistry and Pharmacology.

NOTICE TO STUDENTS.

The personal expenses of students are at least as low in Baltimore as in any large city in the United States. The following estimates of student's personal expenses for the academic year of eight months have been prepared by students. and are based upon actual experience:

Items.	*Low.*	*Average.*	*Liberal.*
Books	$27	$48	$75
College Incidentals	20	20	20
Board. eight months	200	250	275
Room rent	64	80	100
Clothing and laundry	50	80	150
All other expenses	25	50	75
Total	$386	$529	$695

Students will save time and expense upon their arrival in the city by going direct to the School of Medicine on the University grounds, N. E. corner of Lombard and Greene Streets, where the Superintendent of Buildings, who may be found at his office on the premises, will furnish them with a list of comfortable and convenient boarding houses suitable to their means and wishes.

The Dean will, if desired, attend to the collection of checks and drafts for students.

For further information apply to

J. M. H. Rowland, M.D., *Dean*,
Lombard and Greene Streets.

ORGANIZATION OF THE CURRICULUM.

The following curriculum is the result of a thorough revision of teaching in this school in order to meet modern requirements. The multiplication of specialties in medicine and surgery necessitates a very crowded course and the introduction of electives will very soon be depended on to solve some of the difficulties.

The curriculum is organized under eleven departments:

1. Anatomy (including Histology and Embryology).
2. Physiology.
3. Chemistry (including Physiological Chemistry).
4. Pharmacology and Materia Medica.
5. Pathology.
6. Bacteriology.
7. Medicine (including Medical Specialties).
8. Surgery (including Surgical Specialties).
9. Obstetrics.
10. Gynecology.
11. Ophthalmology and Otology.

The instruction is given in four years of graded work.

Several courses of study extend through two years or more, but in no case are the students of different years thrown together in the same course of teaching.

The first and second years are devoted largely to the study of the structures and functions of the normal body, and laboratory work occupies most of the student's time during these two years.

Some introductory instruction in Medicine and Surgery is given in the second year. The third and fourth years are almost entirely clinical.

A special feature of instruction in the school is the attempt to bring together teacher and student in close personal relationship. In many courses of instruction the classes are divided into small groups and a large number of teachers insures attention to the needs of each student.

In many courses the final examination as the sole test of proficiency has disappeared and the student's final grade is determined largely by partial examinations, recitations and assigned work carried on throughout the course.

ARRANGEMENT OF CLASSES.

All the teaching of the freshman class is done at Calvert and Saratoga Streets. All the teaching of the sophomore class is done at Lombard and Greene Streets.

The junior class has three hours of didactic teaching each morning. For clinical instruction and laboratory work this class is divided into two sections and the year into semesters. Each section will work for one semester at the University Hospital and one semester at Mercy Hospital.

The senior class is divided into two sections and for this class the year is divided into semesters. Each section receives clinical instruction for one semester in the University Hospital and the Mercy Hospital. In the afternoon the whole class is assembled and has two hours of didactic teaching each day.

This distribution of the classes is made in order to utilize to the best advantage the laboratory space and to bring the students into daily contact with patients in both of the hospitals and dispensaries.

DEPARTMENT OF ANATOMY, INCLUDING HISTOLOGY AND EMBRYOLOGY.

C. L. Davis, M.D.....Professor of Anatomy
Tilghman B. Marden, A.B., M.D.,
Professor of Histology and Embryology and Assistant in Anatomy
J. W. Holland, M.D.....Associate Professor of Anatomy
M. J. Hanna, M.D.....Assistant in Anatomy

First Year. *Didactic.* Five hours each week for thirty-two weeks. Each day, preceding the laboratory period, a quiz and demonstration of from 40 to 50 minutes is held, covering the laboratory work for the day.

Laboratory. Eighteen hours each week for sixteen weeks. Twelve hours each week for sixteen weeks. This course includes a complete dissection of the human body, including the central nervous system. Abundance of good material is furnished and the student is aided in his work by competent demonstrators. Practical examinations are held at frequent intervals throughout the session and each student will be held to strict account for material furnished him. Each student is furnished a skeleton and a deposit is required to insure its return in good condition at the end of the session.

Second Year. *Didactic.* Three hours each week for six weeks. Lectures, recitations and conferences.

Laboratory. Seven hours each week for six weeks. This course is devoted exclusively to Neuro-Anatomy. A complete dissection of the human brain is required. This is followed by a study of the fiber tracts of the spinal cord and brain, special models and preparations being used for this part of the course.

Histology.

First Year. Lectures, recitations and laboratory work, nine hours each week during first semester; three hours each week during second semester. The most important part of the work will be done in the laboratory, where each student will be provided with a microscope, apparatus, staining fluids and material necessary for the preparation of specimens for microscopical examination. An important aid to the course is the projection microscope which is used for the projection upon a screen of magnified images of the specimens actually used in the laboratory.

A large number of completely prepared sections are loaned to the students for study. This materially reduces the time otherwise required by the student for the preparation of sections and insures the best possible class of material for study.

Embryology.

Lectures, recitations and laboratory work; six hours each week during the second semester.

This course includes the study of the development of the chick, and the fundamental principles of mammalian embryology. In the laboratory, the hen's egg will be studied in its various stages of development, and sections of the chick at different periods of

incubation will be made and studied microscopically. The latter part of the course will be devoted to the study of sections through different regions of a mammal.

Special emphasis is laid upon the development in the human.

DEPARTMENT OF PHYSIOLOGY.

BARTGIS MCGLONE, A.B., Ph.D., F.O.C.P.....Professor of Physiology
CHARLES C. CONSER, M.D.....Associate Professor of Physiology
HAROLD E. WRIGHT, M.D.....Instructor in Physiology
FIRMADGE K. NICHOLS, M.D.....Assistant in Physiology

The course in Physiology extends throughout the First and Second Years. It consists of a series of lectures, covering the field of human physiology, laboratory work, demonstrations, and frequent recitations. It is constantly in the mind of the department that this course is introductory to the study of medicine. The recitations cover the subject-matter of the lectures and the experiments performed in the laboratory.

FIRST YEAR. 1. This course includes lectures and recitations upon the physiology of the blood and circulation, respiration, muscle and nerve, a portion of the central nervous system, and special senses, and such chemical and physical facts as are necessary for a proper understanding of the physiology taught. Two lectures and a recitation weekly throughout the year. Dr. McGlone, assisted by Dr. Wright.

SECOND YEAR. 2. *Didactic instruction.* During this year the remaining topics of physiology are covered by lectures and demonstrations. As in the first year frequent recitations will be held. The subject-matter includes the physiology of digestion and secretion, nutrition, metabolism, internal secretion, and the cranial central nervous system. Lectures, demonstrations, and recitations, three hours per week. Dr. McGlone, assisted by Dr. Conser.

3. *Experimental Physiology.* This is a laboratory course in the dynamics of muscle and nerve, studies in circulation and respiration, and physiology of the special senses. Apart from the acquisition of the facts of physiology, the student is taught to observe accurately, record carefully the results of his observations, and from these results draw an independent conclusion. He is also trained in the use of instruments which are of value to him in his clinical years. Three hours weekly throughout the year. Drs. McGlone, Conser and Wright.

4. *Elective Course in Physiological Technique.* This course is offered to Sophomores. Three hours per week. Second semester.

5. *Special Mammalian Physiology.* This is a laboratory course intended for advanced Laboratory students (optional) who may wish to do special work in this line of physiology. Hours to be arranged. Dr. McGlone.

6. *Research in Physiology.* Properly qualified students will be admitted to the laboratory, which is well adapted for post graduate study and special research. Hours will be arranged to suit individuals. Dr. McGlone.

PHARMACOLOGY AND MATERIA MEDICA.

William Henry Schultz, Ph.B., Ph.D.....Professor of Pharmacology
O. Glenn Harne, A.B.....Associate Professor of Pharmacology

1. *Pharmacology.* Materia Medica and Prescription Writing required of all second year medical students during the first semester. Didactic, three hours a week; Laboratory, three hours a week.

This course is a prerequisite to all other courses in Pharmacology. Special emphasis is laid upon laboratory methods of observation and of intelligent note-taking. The essentials of prescription writing are taught and the student is introduced to the official pharmacopoeal preparations.

Not only is the student taught intelligently to use the United States Pharmacopea and the National Formulary, but the principles underlying the establishing of some of the most practical receipts are attacked from a didactic point of view.

2. *Systematic Pharmacology.* Required of all second year medical students. Three hours a week during the year, two lecture periods and one period for quiz and general conferences. Special care is taken to adapt the material to the practical needs of the medical student. Emphasis, however, is laid upon the pharmacological action of drugs as a pure science in order that a critical attitude toward drugs may be instilled. As the student masters the pharmacology of an important drug, its dosage, incompatibilities, and practical applications are driven home by systematic assignments of prescription writing, quizes, and conferences.

3. *Pharmacodynamics.*—Second semester. Required of all second year medical students. Prerequisite pharmacology 1. Laboratory, six hours a week.

The course runs parallel with pharmacology 2. Being a laboratory course it furnishes much didactic material used in the class conferences and lectures of pharmacology No. 2.

As the student's ability in handling biological material develops, experiments involving the more difficult technic of pharmacological experimentation are introduced. Special emphasis is laid upon the student's ability to handle live tissues and to make first-hand observations of a given drug's action, regardless of what standard text-books teach.

Class conferences, discussions, and the reading of assigned papers are used to supplement the laboratory and lecture. In these conferences the professor in charge attempts to summarize the class work as a whole, thereby properly coordinating it. It is by these means that the student acquires a critical and scientific attitude toward *official* and *new and non-official remedies*. The study is limited for the most part to such drugs as are known to have a definite pharmacological action and therapeutic value.

4. *Special Pharmacodynamics.* (Credit according to work done.) This course is open to advance students and special workers who desire advanced training, or who wish to pursue some special problem in Pharmacology or Toxicology. Hours to be arranged. Professor Schultz.

5. *Research in Pharmacology and Chemo-Therapy.* Properly qualified students are admitted to the laboratory with a view to their carrying on original investigations in drug action. The newly equipped laboratories are well adapted for post-graduate study and research in Pharmacology. Hours will be arranged to suit the applicant. Professor Schultz.

DEPARTMENT OF PATHOLOGY.

HUGH R. SPENCER, M.D. ..... Professor of Pathology
STANDISH MCCLEARY, M.D. ..... Professor of Pathology
SYDNEY CONE, M.D. ..... Associate Professor of Pathology
WM. J. CARSON, M.D. ..... Associate Professor of Pathology
RICHARD DRESSER, M.D. ..... Assistant in Pathology

Courses of instruction in pathology are given during the second, third and fourth years. The courses are based on previous study of normal structures and functions and aim to outline the natural history of disease. The instruction is made as practical as possible that the student may become familiar with the appearance of organs and tissues in disease and may be able to correlate anatomical lesions with clinical symptoms and signs.

1. General Pathology and Histo-pathology. This course is given to second year students, it includes the study and demonstration of disturbances of the body fluids, disturbances of structure, nutrition and metabolism of cells, disturbances of fat, carbohydrate and protein metabolism, disturbances in pigment metabolism, inflammation and tumors. The laboratory course consists in a daily preliminary lecture, after which the student is given microscopical sections for study. Gross material from autopsy and from the museum is demonstrated in conjunction with the microscopical study.

2. Applied Pathology, including Gross Morbid Anatomy and Morbid Physiology. Third year students: In this course the special relationship of the gross and microscopical lesions to clinical symptoms and signs is emphasized. Fresh material from autopsy collected at the various hospitals is demonstrated and supplemented by a study of the respective autopsy protocols.

Special stress is laid upon the study of the infectious diseases and where possible the causative agents are studied.

3. Autopsies. Third year. Autopsy technic is taught to small groups of students by special instruction at autopsies performed at the various hospitals. Students are required to assist at the autopsy, study the organs, examine the microscopical sections, make cultures and prepare autopsy protocols.

4. Clinical Pathological Conference. Fourth year. Material from autopsies is studied with reference to the clinical history and gross and microscopical anatomy, the course is illustrated with sections of fixed material or lantern slides.

5. Advanced Work in Pathology. Properly qualified students will be permitted to carry out advanced or research work along the lines of experimental pathology. Adequate space and equipment is available.

DEPARTMENT OF BACTERIOLOGY AND IMMUNOLOGY.

Wm. Royal Stokes, M.D., Sc.D.....Professor of Bacteriology
Frank W. Hachtel, M.D.....Associate Professor of Bacteriology

Instruction in special bacteriology is given in the laboratory to the students of the first year during one semester. This includes the various methods of sterilization and preparation of culture material, the study of pathogenic microorganisms of vegetable origin, and the bacteriological study of water, milk, sewage, and other such materials. The bacteriological diagnosis of the infectious diseases is also included in this course. Animal inocula-

tions and autopsies are performed in connection with the bacteria studied and diagnoses by means of serum reactions are also given. In the third year the various animal parasites are demonstrated and the diseases produced by these organisms studied by means of gross specimens, stained sections and lantern slides. The principles of general bacteriology are taught in didactic lectures given once a week throughout the entire first year, and these lectures include the structure of bacteria, the various facts concerning their biological properties, infection and immunity.

The general principles of immunology are described in a weekly lecture to the second year class throughout the first semester and practical experiments in immunology are demonstrated to the second year class in laboratory sessions of two hours held thrice weekly throughout the first semester.

DEPARTMENT OF PHYSIOLOGICAL CHEMISTRY.

H. Boyd Wylie, M.D.....Professor of Physiological Chemistry
Frank N. Ogden, M.D.....Instructor in Physiological Chemistry

The course in Physiological Chemistry comprises laboratory work, special laboratory demonstrations, lectures and discussions of extracts prepared by students, from current literature.

Laboratory Work. The regular class work in the laboratory is carried on in two sections, throughout the year, each section spending Tuesday or Thursday morning from 9-12 in the laboratory.

During these first periods, study is directed to the chemistry of proteins, carbohydrates, fats and extractives. Later these substances are subjected to the action of enzymes, and such hydrolytic products capable of production in the laboratory are studied. Following this work, the main tissues of the body, along with its chief secretions and excretions, are investigated. The former, briefly; the latter, more thoroughly; a great deal of attention being given to the quantitative estimations of blood, urine, feces and stomach, contents.

Special Laboratory Demonstrations. These special demonstrations take place three afternoons a week, during the second semester. A group of six or eight men are assigned to the execution of the more complicated tests on blood, urine, gastric contents and feces. In this work, emphasis is laid on those tests which bear more or less on pathological conditions.

Ample opportunity is afforded, in this afternoon work, for experimentation with new methods and for reseach work.

LECTURES. The lectures are given in one hour periods, for three days a week. They are designed to furnish the student with a clear understanding of the practical work, and at the same time, to supply the theoretical material necessary to complete a well-rounded course. Wherever of practical benefit to the student, the abnormal as well as the physiological aspects of the subject under discussion are always considered.

EXTRACTS OF CURRENT LITERATURE BY STUDENTS. This department was instituted to stimulate the student's interest in the concurrent literature associated with this subject.

Periodically, during the year, students are appointed to present to the class extracts of articles of special interest from a physiological chemical standpoint. The paper thus presented is discussed by other students, previously appointed for the purpose.

MEDICAL JURISPRUDENCE.

H. J. MALDEIS, M.D.....Baltimore City Post Mortem Physician

THIRD YEAR. One hour each week for one semester.

Inasmuch as Medical Jurisprudence teaches the application of every branch of medical knowledge to the needs of law, civil or criminal, this course embraces the following:—Proceedings in criminal and civil prosecution; medical evidence and testimony; identity in its general relations; sexual abnormalities; personal identity; impotence and sterility; rape; criminal abortions; signs of death; wounds in their medico-legal relations; death, natural and homicidal; malpractice; insanity and medico-legal autopsies.

CLINICAL INSTRUCTION.

DEPARTMENT OF SURGERY.

ARTHUR M. SHIPLEY, M.D.....Professor of Surgery
ARCHIBALD C. HARRISON, M.D.....Professor of Surgery
ALEXIUS MCGLANNAN, A.M., M.D.....Professor of Surgery
JOSEPH H. BRANHAM, M.D.....Professor of Clinical Surgery
NATHAN WINSLOW, A.M., M.D.....Clinical Professor of Surgery
WALTER D. WISE, M.D.....Clinical Professor of Surgery
JOSEPH W. HOLLAND, M.D.....Clinical Professor of Surgery
J. C. LUMPKIN, M.D.....Clinical Professor of Surgery
WILLIAM W. REQUARDT, M.D.....Associate Professor of Surgery

H. C. Blake, M.D.....Associate Professor of Clinical Surgery
Frank S. Lynn, M.D.....Associate Professor of Surgery
Elliott H. Hutchins, A.M., M.D.....Associate Professor of Surgery
Thomas R. Chambers, A.M., M.D.....Associate Professor of Surgery
R. W. Locher, M.D..Associate Professor of Operative and Clinical Surgery
E. H. Hayward, M.D.....Associate in Surgery
Frank J. Kirby, M.D.....Associate in Surgery
F. L. Jennings, M.D.....Instructor in Surgery
A. M. Evans, M.D.....Instructor in Surgery
E. P. Smith, M.D.....Instructor in Operative Surgery
Charles Reid Edwards, M.D.....Instructor in Surgery
H. M. Foster, M.D.....Instructor in Surgery
E. S. Johnson, M.D.....Instructor in Surgery
F. X. Kearney, M.D.....Assistant in Surgery
G. W. Bowden, M.D.....Assistant in Surgery
Dwight Mohr, M.D.....Assistant in Surgery
Amos Hutchins, M.D.....Assistant in Surgery
C. A. Reifschneider, M.D.....Assistant in Surgery
Wm. R. Geraghty, M.D.....Assistant in Surgery
S. Demarco, M.D.....Assistant in Surgery
O. H. Lloyd, M.D.....Assistant in Surgery
Clyde Marvel, M.D.....Assistant in Surgery
Everard Briscoe, M.D.....Assistant in Surgery

The teaching is in the Anatomical Laboratory and the dispensaries, wards, clinical laboratories and operating rooms of the University and Mercy Hospital, and in the wards and dead-house of the Municipal Hospitals at Bay View.

Instruction is given by means of lectures, recitations, dispensary work, bedside instruction, ward-classes, and clinics. The work begins in the second year, and continues throughout the third and fourth years.

Second Year.

Topographic and surgical anatomy, 15 hours a week for the first semester. The course is designed to bridge the gap between anatomy in the abstract, and clinical anatomy as applied to the study and practice of medicine and surgery.

The teaching is done in the anatomical laboratory, and students are required to demonstrate all points, outlines, and regions on the cadaver. Underlying regions are dissected when necessary to bring out outlines and relation of structures. Didactic lectures two hours weekly, augmented by demonstrations with specimens, charts, and cross-sections. Dr. Holland.

SURGICAL TECHNIQUE.

The course includes history taking, first aid treatment, demonstration of use of tourniquet and other emergency appliances and surgical dressings, bandages, plaster, adhesive plaster, suture material, solutions; their preparation and use.

It includes also non-operative therapeusis, asepsis and antisepsis, the study of circulatory and respiratory failure, preparation of patients, dummy operations and written description of operation, splints, bed frames, bone plates, grafts and local anaesthesia.

Lectures and conferences, two hours a week for one semester. Dr. Edwards.

Third Year.

Principles of surgery and general surgery, two and a half hours a week throughout the year to the entire class, lectures, recitations, and clinics. Dr. Shipley.

The class is divided into groups and receives instruction in history-taking, gross pathology, and surgical diagnosis—at the bedside and in the deadhouse of the Municipal Hospitals at Bay View. Drs. Shipley, Lynn and Dresser.

Operative Surgery. Instruction is given in operative surgery upon the cadaver and on dogs. The class is divided into sections, and each section is given practical and individual work under the supervision of the instructors. Dr. Frank S. Lynn, assisted by Drs. Locher, Hayward, E. S. Johnson, N. Winslow, Edwards, Foster, Reifschneider, Geraghty and Demarco.

Fractures and Dislocations. One hour a week for one semester. This course consists of instruction in the various forms of fractures and dislocations and their treatment, and serve as a preparatory course for clinical work. Dr. Wise.

Surgical Dispensary. Under supervision, the student takes the history, makes the physical examination, attempts the diagnosis, and, as far as possible, carries out the treatment of the ambulatory surgical cases in the University and Mercy Hospitals. Mercy Hospital—Drs. Amos Hutchins, Mohr, A. M. Evans, Wheaton, Kearney, Lloyd and Marvel. University Hospital—Drs. Edwards, E. S. Johnson and Foster.

Fourth Year.

Regional Surgery. Surgery of the abdomen and abdominal wall, including hernia. Two hours a week for one semester to the entire class. Dr. Harrison.

Surgery of the head, neck, spine, and chest. Two hours a week for one semester to the entire class. Dr. McGlannan.

Clinics. A weekly clinic will be given at the Mercy and University Hospitals to one-half the class throughout the year. As far as possible this is a diagnostic clinic. Mercy Hospital—Drs. Harrison and McGlannan. University Hospital—Dr. Shipley.

Surgical Pathology. A weekly exercise of one hour at Mercy Hospital for one semester, at which specimens from the operating-room and museum are studied in the gross and microscopically, in relation with the case history. Dr. McGlannan.

Industrial Surgery. Operative and post-operative treatment of accident cases, with instructions as to the relationship between the state, the employee, and employer, and the physician's duty to each. One hour a week to sections of the class throughout the year. Dr. Edmunds.

Clinical Clerkship. The personal study of assigned hospital patients, under supervision of the staffs of University and Mercy Hospitals, history taking, and physical examinations of patients, laboratory examinations, attendance at operations and observation of post-operative treatment.

Ward Classes. Ward class instruction in small groups, will consist of ward rounds, surgical diagnosis, treatment and the after care of operative cases. Mercy Hospital—Drs. Harrison, McGlannan, Wise, Elliott Hutchins, Evans and Locher. University—Drs. Shipley, Holland, Edmunds and Lynn.

ANAESTHESIA.

Third Year.

Lectures on the history of anaesthesia, general physiology of inhalation of anaesthetics, special physiology of each anaesthetic, methods of administration, inhalation, colonic, intravenous, complications and preventive methods, including artificial respiration and post-anaesthesia treatment of patients. One hour weekly for one semester. Dr. S. Griffith Davis.

Anaesthesia in obstetrics, one lecture. Dr. J. McF. Bergland.

Fourth Year.

During the clinics and operations before small groups, each student will be required to administer anaesthetic under the direction of an instructor. University Hospital—Drs. Queen and Moore. Mercy Hospital—Drs. Kearney and Ridgely.

DERMATOLOGY.

T. Caspar Gilchrist, M.R.C.S., L.S.A., M.D.....Professor of Dermatology
Melvin Rosenthal, M.D.....Associate Professor of Dermatology
John R. Abercrombie, A.B., J.D.....Associate Professor of Dermatology
Harry M. Robinson, M.D.....Associate in Dermatology
Joseph E. Gately, M.D.....Assistant in Dermatology

Clinical conference one hour each week to entire class. This course will consist of demonstrations of the common diseases of the skin. Dr. Gilchrist.

Dispensary instruction, University Hospital, Mondays, Wednesdays and Fridays in the diagnosis and treatment of the common skin diseases. Dr. Abercrombie. Dispensary instruction, Mercy Hospital, Dr. Rosenthal.

ORTHOPAEDIC SURGERY.

R. Tunstall Taylor, A.B., M.D.....Professor of Orthopedic Surgery
Albertus Cotton, A.M., M.D.....Professor of Orthopedic Surgery
Compton Riely, M.D.....Clinical Professor of Orthopedic Surgery
Sydney M. Cone, A.B., M.D.....Clinical Professor of Orthopedic Surgery
W. H. Daniels, M.D.....Demonstrator in Orthopedic Surgery
W. Arthur Darby, M.D.....Demonstrator in Orthopedic Surgery
H. L. Wheeler, M.D.....Demonstrator in Orthopedic Surgery

In this course didactic, clinical, bedside and out-patient instruction will be given. This instruction is provided in the University Hospital Amphitheater and Dispensary, Mercy Hospital and Dispensary and Kernan Hospital and Industrial School for Crippled Children at "Radnor Park," and in the Dispensary of same at 620 West Lombard Street.

Lectures, clinics and quizzes will be held at each of the hospitals once a week. In addition, a weekly bedside clinic will be held for small sections of the class at "Radnor Park."

The course will cover instruction in special methods and instruments required in this surgical specialty, including X-Ray technique; Wolff's law; tuberculosis of bones and joints; deformities of the feet; non-tuberculous deformities of the feet and joints; the paralyses; the bursal, tendinous and muscular conditions producing orthopedic affections; rickets; scurvy; osteomalacia; chondrodystrophies; wry-neck and the use and application of orthopedic apparatus.

ROENTGENOLOGY AND RADIOTHERAPY.

HENRY J. WALTON, M.D.....Professor of Roentgenology
ALBERTUS COTTON, A.M., M.D.....Professor of Roentgenology
JOHN EVANS, M.D.....Associate Professor of Roentgenology
CHARLES REID EDWARDS, A.B., M.D.....Instructor in Roentgenology

Instruction is given in the history, physics, and practical application of Roentgen Rays and Radium. Especial effort is made to demonstrate the use of the Roentgen Ray in diagnosis by instruction in both fluoroscopy and plate reading, one hour a week to section of the fourth year class throughout the year.

The student is also taught the practice, application of Radium and Roentgen rays as therapeutic agents. In the X-ray laboratory and in the hospital wards students are shown the use of these agents in the treatment of disease.

DISEASES OF THE THROAT AND NOSE.

EDWARD A. LOOPER, M.D.,
Clinical Professor of Diseases of the Throat and Nose
FRANK DYER SANGER, M.D....Professor of Diseases of the Throat and Nose
GEORGE W. MITCHELL, M.D.,
Associate Professor of Diseases of the Throat and Nose
GEORGE MURGATROYD, M.D....Associate in Diseases of the Throat and Nose
FRANK ANDERSON, M.D.....Assistant in Diseases of the Throat and Nose

THIRD YEAR. Clinical Lectures. One hour each week throughout the session. Drs. Looper and Sanger.

FOURTH YEAR. Dispensary instruction daily in small sections at the University and Mercy Hospitals. Ward classes one hour each week at the University and Mercy Hospitals.

GENITO-URINARY DISEASES.

ANTON G. RYTINA, A.B., M.D.....Professor of Genito-Urinary Diseases
PAGE EDMUNDS, M.D.....Clinical Professor of Genito-Urinary Diseases
A. J. UNDERHILL, A.B., M.D..Clinical Professor of Genito-Urinary Diseases
HARRIS GOLDMAN.....Associate in Genito-Urinary Diseases
A. J. GILLIS, M.D.....Instructor in Genito-Urinary Diseases
W. H. TOULSON, M.D.....Instructor in Genito-Urinary Diseases
L. K. FARGO, M.D.....Assistant in Genito-Urinary Diseases

Instruction in Genito-Urinary Surgery is given to the members of the senior class, from both a practical and didactic standpoint. The course includes everything pertaining to modern urology, such as urethroscopy, cystoscopy, ureter catheterization, renal functional tests, X-ray, pyelography, blood urea estimations, etc. The teaching consists of clinics in the amphitheatre, ward rounds, and attendance by members of the senior class upon out-patients in the dispensary. In the latter department there were about 30,000 visits made during the past year, and ample facilities are afforded the students to see a large variety of every type of venereal disease. They are first instructed in the method of taking a genito-urinary history, are shown the technique of urethroscopy, cystoscopy, urethral instrumentation, rectal massage, demonstrations of the spirochaete pallida, and administration of Salvarsan.

DISEASES OF THE COLON AND RECTUM.

G. Milton Linthicum, A.M., M.D.,
Professor of Diseases of Rectum and Colon
Charles F. Blake, M.D.....Professor of Diseases of Rectum and Colon
J. Dawson Reeder, M.D.,
Associate Professor of Diseases of Rectum and Colon

Fourth Year. This course is for instruction in diseases of the Colon, Sigmoid Flexure, Rectum and Anus.

One lecture a week throughout the first semester will be given in the Clinical Amphitheater of the Hospitals. The lecture will cover the essential features of the Anatomy and Physiology of the large intestine; as well as the various diseases to which it is subject. The importance of diseased conditions and malpositions of the intestines, in relation to systemic disturbances, will be emphasized by demonstrations.

In small groups, the students will be taken into the wards and dispensaries of the University and Mercy Hospitals, where different phases of the various diseases will be taught by direct observation and examination. The use of the proctoscope and sigmoidoscope in examination of the rectum and sigmoid will be made familiar to each student.

A course in Proctoscopy may be given in the City Hospitals at Bay View, where abundance of material is always obtainable.

DEPARTMENT OF MEDICINE.

GORDON WILSON, M.D. ..... Professor of Medicine
CARY B. GAMBLE, JR., A.M., M.D. ..... Professor of Medicine
STANDISH MCCLEARY, M.D. ..... Professor of Clinical Medicine
JOS. E. GICHNER, M.D. ..... Professor of Clinical Medicine
CHARLES W. MCELFRESH, M.D. ..... Professor of Clinical Medicine
G. CARROLL LOCKARD, M.D. ..... Professor of Clinical Medicine
HARVEY G. BECK, M.D., Sc.D. ..... Professor of Clinical Medicine
HUBERT C. KNAPP, M.D. ..... Associate Professor of Medicine
C. C. W. JUDD, A.B., M.D. ..... Associate Professor of Medicine
H. D. MCCARTY, M.D. ..... Associate Professor of Medicine
WM. H. SMITH, M.D. ..... Associate in Clinical Medicine
R. C. METZEL, M.D. ..... Associate in Clincial Medicine
W. I. MESSICK, M.D. ..... Associate in Clinical Medicine
E. E. MAYER, M.D. ..... Instructor in Medicine
GEORGE MCLEAN, M.D. ..... Instructor in Medicine
D. CORBIN STREETT, M.D. ..... Instructor in Medicine
C. C. HABLISTON, M.D. ..... Instructor in Medicine
HARRY M. STEIN, ... Instructor in Medicine
MARTIN SLOAN ..... Instructor in Medicine
HORACE BYERS, M.D. ..... Assistant in Medicine
H. R. LICKLE, M.D. ..... Assistant in Medicine
WM. MICHAEL, M.D. ..... Assistant in Medicine
G. L. ZIMMERMAN, M.D. ..... Assistant in Medicine
B. T. BAGGOTT, M.D. ..... Assistant in Medicine
J. W. MARTINDALE, M.D. ..... Assistant in Medicine

CLINICAL MEDICINE.

THIRD YEAR. Lectures and recitations on the principles of medicine, for three hours a week throughout the session. Clinical conference, one hour each week throughout the session.

FOURTH YEAR. Lectures, recitations and clinics to the entire class four hours a week throughout the session.

A clinical pathological conference is held once a week throughout the session, at which the material obtained at autopsy is studied in relation to the clinical findings.

The whole class, divided between the two hospitals and again subdivided into small groups, receives beside instruction twelve hours a week throughout the session and has the care of the hospital patients under the direct supervision of the hospital staff taking all histories, making the physical examinations, doing requisite laboratory tests, following and recording the progress of the disease in the individual patient.

PHYSICAL DIAGNOSIS.

Second Year. Didactic lectures and practical demonstrations in the medical topography and the physical conditions in health, preparatory to the course in physical diagnosis in the third year. Two and one-half hours each week during one semester.

Third Year. The class is divided into small groups, and each section receives instruction for the entire session in the medical dispensaries of the hospitals. During the second semester the students under the supervision of instructors examine and treat patients in the medical dispensaries. During one semester small groups are sent for the afternoon to the city hospitals at Bay View for special instruction in history taking and physical diagnosis. Two hours a week throughout the year are devoted to physical diagnosis. Full class conferences one hour a week throughout the session.

THERAPEUTICS.

Third Year. This course is supplementary to that on clinical medicine, and an effort is made to familiarize the student with the practical treatment of disease. The course is divided into general therapy, specific therapy and physical therapy. Two and one-half hours per week throughout the year is devoted to these branches.

Fourth Year. Special consideration is given to the practical application of therapeutic principles in bedside teaching.

TUBERCULOSIS.

A practical course is given in the tuberculosis dispensary and at the Municipal Tuberculosis Hospital to small groups, the abundance of material, both of "incipient" and "advanced cases," making this course of value in the practical recognition of the physical signs of the disease.

GASTRO-ENTEROLOGY.

Julius Friedenwald, A.M., M.D. ..... Professor of Gastro-Enterology
John C. Hemmeter, M.D., Ph.D., Sc.D., LL.D. Professor of Clinical Medicine
T. Fred. Leitz, M.D. ..... Clinical Professor of Gastro-Enterology
E. B. Freeman, B.S., M.D. ..... Clinical Professor of Gastro-Enterology
J. Harry Ullrich, M.D. ..... Associate in Gastro-Enterology
Theodore Morrison, M.D. ..... Associate in Gastro-Enterology
Maurice Freeman, M.D. ..... Instructor in Gastro-Enterology
Joseph Sindler, M.D. ..... Assistant in Gastro-Enterology

Fourth Year. Clinic recitations and demonstrations to each half of the class for one hour a week throughout the session. Dispensary instruction to small groups throughout the entire session. Practical instruction in the wards in the differential and clinical diagnosis and demonstrations of the newer methods of diagnosis in gastro-intestinal affections.

PEDIATRICS.

John Ruhrah, M.D. ..... Professor of Pediatrics
Charles L. Summers, M.D. ..... Professor of Pediatrics
Edgar B. Friedenwald, M.D. ..... Clinical Professor of Pediatrics
C. Loring Joslin, M.D. ..... Instructor in Pediatrics
W. H. Ingram, M.D. ..... Assistant in Pediatrics
John S. Fenby, M.D. ..... Assistant in Pediatrics
J. F. Hawkins, M.D. ..... Assistant in Pediatrics
Howard H. Warner, M.D. ..... Assistant in Pediatrics
John Houff, M.D. ..... Assistant in Pediatrics
B. J. Ferry, M.D. ..... Assistant in Pediatrics
William J. Todd, M.D. ..... Assistant in Pediatrics
Percy P. Hardt, M.D. ..... Assistant in Pediatrics
John H. Traband, M.D. ..... Assistant in Pediatrics
C. R. Goldsborough, M.D. ..... Assistant in Pediatrics

Third Year. Lectures and recitations to the entire class one hour weekly throughout the year.

Fourth Year. Lectures and recitations one hour weekly to the entire class. Also a weekly clinical lecture is given throughout the year, where the character of disease is fully demonstrated and the students, in groups, are given opportunity for personal examination of cases.

In addition, during this year the students, in groups, attend the Children's dispensary daily, and are here given the opportunity to examine all cases under the supervision of competent instructors.

NEUROLOGY.

Irving J. Spear, M.D. ..... Professor of Neurology
Andrew C. Gillis, A.M., M.D. ..... Professor of Neurology
G. M. Settle, A.B., M.D. ..... Associate Professor of Neurology
Benjamin Pushkin, M.D. ..... Instructor in Neurology
J. A. Skladowsky, M.D. ..... Assistant in Neurology

Third Year. Lectures and recitations two hours each week to entire class throughout one semester. This course comprises the

study of the anatomy and physiology of the nervous system, the method of neurological examination, and relationship of signs and symptoms to pathological conditions. The material at the University and Mercy Hospitals is available.

Fourth Year. Clinical lectures and recitations, one hour each week throughout the entire session.

Clinical Conference, one hour each week to the entire class. This subject is taught at the University and Mercy Hospitals. All cases presented at these clinics are carefully examined; complete written records are made by the students who demonstrate the cases before the class. These cases are usually assigned one or two weeks before they are presented, and each student in the class must prepare one or more cases during the year.

Ward Class Instruction. In small sections, two hours each week during the entire year at the University and Mercy Hospitals. In these classes the students come in close personal contact with the cases in the wards under the supervision of the instructor.

Dispensary Instruction. Small sections are instructed in the dispensaries of the University and Mercy Hospitals four afternoons each week. In this way students are brought into contact with nervous diseases in their earlier as well as later manifestations.

Electro Therapeutics. Instruction in the uses of the various types of electrical apparatus is given by lectures and demonstrations in the clinics, the ward classes, and the out-patient department.

PSYCHIATRY.

R. M. Chapman, M.D.....Associate Professor of Phychiatry
G. F. Sargent, M.D.....Associate in Clinical Psychiatry

Fourth Year. This subject is taught by means of didactic and clinical lectures. Abundant material is at the command of this department in the various institutions which are presided over by the teachers in psychiatry. The student is brought into contact with the early manifestations of mental disease in the dispensaries of the University and Mercy Hospitals, and in a series of clinics opportunity is afforded to observe the course and later manifestations of the disease, often in these same patients, at the Sheppard-Enoch Pratt Hospital, Mount Hope Retreat, and City Detention Hospital.

HYGIENE AND PREVENTIVE MEDICINE.

C. Hampson Jones, M.D., C.M.....Professor of Hygiene and Public Health

Third and Fourth Years. In each year one lecture every week to the entire class throughout the session. A quiz will be substituted for a lecture whenever it is considered advantageous to do so. The lectures to the third year class will encompass all of the fundamental subjects, air, water, soil, food, disposal of wastes, etc., leading to the fourth year, when communicable diseases of all kinds will be considered in groups and singly. State and Federal laws to promote and protect public health will be considered during the presentation of groups of diseases.

DEPARTMENT OF OBSTETRICS.

J. M. H. Rowland, M.D.....Professor of Obstetrics
L. E. Neale, A.M., M.D., LL.D.....Professor of Obstetrics
Bernard Purcell Muse, M.D.....Professor of Clinical Obstetrics
Charles E. Brack, M.D.....Clinical Professor of Obstetrics
J. McF. Bergland.....Associate in Obstetrics
L. H. Douglass, M.D.....Associate in Obstetrics
F. H. Machin, M.D.....Assistant in Obsterics
J. G. M. Reese, M.D.....Assistant in Obstetrics
Susanne R. Parsons, A.M., M.D., Ph.D.....Assistant in Obstetrics

Third Year. Lectures and recitations two hours each week by Drs. Neale and Rowland to entire class. Special obstetric and gynecologic pathology three hours each week under the direction of Dr. Gardner to class sections in the Pathologic Laboratory. Clinical Obstetrics (bedside and manikin work) three hours each week at the University Hospital by Dr. Neale and his assistants, and at the Mercy Hospital by Dr. Brack.

Examinations, one at the end of first semester and final one at end of the year. The results of these examinations, considered in conjunction with the student's practical work, will determine the grade for the year's work, which grades, if sufficient to give student advanced standing, will count as one-half of the final grade in Obstetrics.

Fourth Year. *Lectures and Clinical Conferences.* Two hours each week to the entire class. Drs. Neale and Rowland.

Ward Classes and Operative Obstetrics (Manikin work). Four hours each week to sections of the class. Dr. Douglass.

Students are required to attend obstetric cases before, during and after confinement in the University Hospital, as well as in

the out-patient department. Each student is required to conduct and make accurate records of at least twelve confinement cases. These out-patient cases are conducted under the supervision of post-graduate instructors, two in number, who devote their whole time to this work.

Mid-year and final examinations will be held, the results of which, considered in conjunction with clinical work and recitations, will make up the remaining half of the final grade.

This School is peculiarly fortunate in the clinical material available for this important branch of medical teaching; 1,250 cases in the hospital and out-patient department make a practical inexhaustible clinic.

DEPARTMENT OF GYNECOLOGY.

WILLIAM S. GARDNER, M.D. ..... Professor of Gynecology
J. MASON HUNDLEY, M.D. ..... Professor of Clinical Gynecology
HUGH BRENT, M.D. ..... Associate Professor of Gynecology
ABRAHAM SAMUELS, M.D. ..... Associate Professor of Gynecology
GEO. A. STRAUSS, M.D. ..... Associate in Gynecology
R. G. WILLSE, M.D. ..... Associate in Gynecology
T. K. GALVIN, M.D. ..... Assistant in Gynecology
JACK M. HUNDLEY, M.D. ..... Assistant in Gynecology

THIRD YEAR. *Didactic Work.* A *course* of twenty lectures and recitations in the second semester. Dr. Hundley.

Laboratory. Special pathology, both gross and microscopical, studied in connection with the clinical history of each patient from which the specimen was derived, two hours each week during the first semester. Drs. Gardner, Strauss, Samuels, Brent, Galvin and Jack M. Hundley.

FOURTH YEAR. *Didactic Work.* Lectures and recitations, one hour each week throughout the session. Dr. Gardner.

Clinical Work. Six hours weekly for one trimester. In this course a student writes the clinical history of each patient in the ward, makes a general physical examination, including the blood and urine, before the patient is brought before the class. One student under supervision gives the anesthetic, a pelvic examination is made by six students, and any operation required is then done before a section of the class small enough to see clearly what is being done and how it is done. On a subsequent day the whole group examine microscopically sections prepared from material removed from patients that have been before them.

DEPARTMENT OF OPHTHALMOLOGY AND OTOLOGY.

HARRY FRIEDENWALD, A.B., M.D...Professor of Ophthalmology and Otology
J. W. DOWNEY, M.D.....Clinical Professor of Otology
CLYDE A. CLAPP, M.D....Associate Professor of Ophthalmology and Otology
H. K. FLECK, M.D.....Associate in Ophthalmology and Otology
JOSEPH I. KEMLER, M.D.....Associate in Ophthalmology and Otology
M. RANDOLPH KAHN, M.D.....Associate in Ophthalmology and Otology
E. A. KNORR, M.D.....Associate in Ophthalmology and Otology

THIRD YEAR. *Course in Refraction and in the External Diseases of the Eye*, once weekly, October to December. Dr. Clapp.

Courses in the Diseases of the Ear, twice weekly, October to December. Dr. Downey.

Practical Courses in Ophthalmoscopy, once weekly, in sections. Drs. Fleck and Kemler.

FOURTH YEAR. *Course in Diseases of the Eye*, once weekly during year. Dr. Harry Friedenwald.

Clinics in Diseases of the Eye and the Ear, weekly. Drs. Harry Friedenwald and Downey.

Dispensary Instruction, elective course daily in small sections.

The courses in Ophthalmology and Otology are designed to familiarize the students with the common diseases of the eye and ear, their recognition and treatment, with a view to meet the needs of the general practitioner. Special emphasis is laid upon the relation between diseases of the eye and the ear and systematic diseases of other organs.

LABORATORIES OF CLINICAL PATHOLOGY.

JOHN LUTZ, M.D.....Associate Professor of Clinical Pathology
HENRY L. COLLENBERG, M.D.....Associate in Clinical Pathology
L. A. M. KRAUS, M.D.....Assistant in Clinical Pathology

During the third year the student is thoroughly drilled in the technique of the usual clinical laboratory work, so that he is able to perform all routine examination which may be called for during his fourth year, in connection with the work in the wards and dispensary. In addition he is trained to do bacteriological and serological work as will fit him to occupy an assistant's position in a civil hospital laboratory where modern public health and epidemiological work is carried on.

The practical work is supplemented by a series of didactic lectures and demonstrations in which the entire teaching staff of

the department takes an active part. The microscopical, chemical, bacteriological and serological study of blood, exudates and transudates, gastric juice, feces and urine are successively taken up, and special attention directed to the clinical significance of the findings.

Clinical parasitology and advanced bacteriology, both from the standpoint of the infecting agent and the carrier, are given careful consideration.

The entire course is thoroughly practical. Each student is provided with a microscope, blood counters and hemoglobinometer for his exclusive use, and every two students with a special laboratory outfit for all routine purposes.

During the fourth year the student applies what he has learned during the preceding year in the laboratories of the various affiliated hospitals. He is also supplied with a laboratory outfit which is sufficiently complete to enable him to work independently of the general equipment. Special instructors are available during certain hours to give necessary assistance and advice.

FIRST YEAR SCHEDULE—FIRST SEMESTER.

Hours.	Monday.	Tuesday.	Wednesday	Thursday.	Friday.	Saturday.
A. M. 9 to 10. 10 to 11.	Histology and Embryology Laboratory.				Bacteriology / Embryology.	Dissecting.
11 to 12.	Physiology.	Histology.	Physiology.	Histology.	Physiology.	
P. M. 12 to 1.	Lunch and Transfer Period.					
1 to 4.	Anatomy		and		Dissecting.	

Classes in Anatomy and Dissecting at Lombard and Greene Streets; all other classes at Streets; all other classes at Calvert and Saratoga Streets.

FIRST YEAR SCHEDULE—SECOND SEMESTER.

Hours.	Monday.	Tuesday.	Wednesday	Thursday.	Friday.	Saturday.
A. M. 8.30 to 9.30.	Histology and Embryology Laboratory.				Bacteriology	Dissecting.
9.30 to 10.30.					Embryology.	
10.30 to 11.30.	Physiology.	Histology	Physiology.	Preliminary Physiological Chemstry.	Physiology.	
11.30 to 12.00.	Lunch.					Immunology and Serology (11.30- to 12.30).
P. M. 12 to 2.	Bacteriology.			Laboratory.		
2 to 2.30.	Transfer Period.					
2.30 to 5.30.	Anatomy		and		Dissecting.	

Classes in Anatomy and Dissecting, and in Immunology and Serology at Lombard and Greene Calvert and Saratoga Streets.

SECOND YEAR SCHEDULE—FIRST SEMESTER.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
A. M. 8.30 to 9.30.	Physiology.	Laboratory: Physiology, Section A. Physiological Chemistry, Section B.	Physiology.	Laboratory: Physiology, Section B. Physiological Chemistry, Section A.	Physiology.	
9.30 to 10.30.	Physiological Chemistry.		Physiological Chemistry.		Physiological Chemistry.	Pharmacology
10.30 to 11.30.	Pathology.		Pharmacology		Pathology.	Pathology.
11.30 to 12.30.	Pharmacology	Lunch and Transfer Period.				Immunology and Serology.
P. M. 12.30 to 1.30.	Lunch.	Immunology and Serology	Immunology and Serology	Surgery.	Surgery.	
1.30 to 2.30.	Pharmacology Laboratory.	Laboratory.	Laboratory.	Medicine.	Medicine.	
2.30 to 3.30.				Surgical Anatomy.	Surgical Anatomy.	
3.30 to 4.30.		Surgical Anatomy.	Surgical Anatomy.			
4.30 to 5.30						

Classes on Tuesdays, Wednesdays, Thursdays and Fridays from 12.30 to 5.30, at Calvert and Saratoga Streets; all other classes at Lombard and Greene Streets.

SECOND YEAR SCHEDULE—SECOND SEMESTER.

A. M. 8.30 to 9.30.	Physiology.	Laboratory: Physiology, Section A. Physiological Chemistry, Section B.	Physiology.	Laboratory: Physiology, Section B. Physiological Chemistry, Section A.	Pharmacology	Physiology.
9.30 to 10.30.	Physiological Chemistry.		Physiological Chemstry.		Physiological Chemstry.	Pharmacology
10.30 to 11.30.	Pathology.		Pharmacology		Pathology.	Pathology.
11.30 to 12.00.	Lunch.					Medicine (11.30 to 12.30).
P. M. 12 to 2.	Pathology.			Laboratory.		
2.00 to 5.00.	Laboratory: Pharmacology Section A. Physiological Chemistry, Secton B.	Laboratory: Pharmacology Section A. Physiology, Section B.	Electives.	Laboratory: Pharmacology Section B. Physiology, Section A.	Laboratory. Pharmacology Section B. Physiological Chemistry, Section A.	

All classes at Lombard and Greene Streets.

THIRD YEAR SCHEDULE.

Hours.	Monday.	Tuesday.	Wednesday	Thursday.	Friday.	Saturday.
A. M. 8.30 to 9.30.	Medicine.	Pathology.	Therapeutics.	Surgery.	Pathology.	Surgery.
9.30 to 10.30	Pediatrics.	Surgery.	Obstetrics.	Medicine.	Therapeutics.	Medicine.
10.30. to 1.30.	Physical Diagnosis. — Operative Surgery. — Dispensary. — Lunch and Transfer	Physical Diagnosis. — Operative Surgery. — Dispensary. — Lunch and Transfer.	Physical Diagnosis. — Operative Surgery. — Dispensary. — Lunch and Transfer.	Physical Diagnosis. — Operative Surgery. — Dispensary. — Lunch and Transfer.	Physical Diagnosis — Operative Surgery. — Dispensary. — Lunch and Transfer.	Physical Diagnosis — Operative Surgery. — Dispensary. — Lunch and Transfer.
P. M. 1.30 to 2.30.	Medical Clinic.	Obstetrics.	Neurology. (first semester). — Gynecology (second semester).	Obstetrics	Neurology (first semester).	
2.30 to 3.30.	Pathology	Pathology.	Gynecology Laboratory (second semester). — Legal Medicine (first semester).	Clinical	Clinical	Clinical Medicine and Surgery
3.30 to 4.30	Laboratory	Laboratory.	Gynecology Laboratory (second semester). — Anaesthesia (first semester).	Pathology — Laboratory	Pathology — Laboratory	Gross Pathology at Bay View.
4.30 to 5.30.	Eye and Ear—October 3 to December 21. (Examination, December 21.) Physical Therapeutics—January 9 to February 15. (Examination, February 15.) Nose and Throat—February 20 to April 25. (Examination, April 25.)			Physical Diagnosis	Practical Obstetrics — Ophthalmoscopy	

From 10.30 A. M. to 1.30 P. M. the class is divided into two sections, one section reporting at Calvert and Saratoga Streets, the other at Lombard and Greene Streets.

Classes on Wednesdays, Thursdays and Fridays from 1.30 to 5.30 at Calvert and Saratoga Sts.

Proctology—Wednesdays and Fridays, 1.30 to 2.30, for ten lectures, April 11 to May 12, inclusive.

FOURTH YEAR SCHEDULE.

Hours.	Monday.	Tuesday.	Wednesday	Thursday.	Friday.	Saturday.
A. M. 9.00 to 11.00.	Ward Classes Medicine, Surgery, Obstetrics.	Ward Classes Medicine, Surgery, Gynecology.	Ward Classes Medicine, Obstetrics. X-Ray, 9-10. Surgery, 10-11.	Ward Classes Medicine, Surgery Gynecology.	Ward Classes Medicine, Surgery. Proctology.	Ward Classes Medicine. Surgery. Gynecology.
11.00 to 12.00.	Orthopedic Surgery.	Medical Clinic (University) Surgical Path. (Mercy)	Clinical Pathological Conference.	Surgical Clinic.	Medical Clinic.	Pediatrics Clinic.
P. M. 12.00 to 2.00.	Dispensary Lunch and Transfer	Dispensary and Lunch	Dispensary and Lunch and Transfer	Dispensary and Lunch	Dispensary and Lunch	Dispensary and Lunch
2.00 to 3.00.	Dermatology Clinic (Full class at Univ. Hosp.)	Neurology Clinic	Eye and Ear Clinic Full class at Univ. Hosp.	Genito-Urinary Clinic	Gastro-Enterology Clnic	Psychiatry Clinic
3.00 to 3.30.		Transfer.		Transfer.	Transfer.	
3.30 to 4.30.	Pediatrics.	Surgery.	Obstetrics.	Surgery.	Neurology.	
4.30 to 5.30.	Medicine.	Eye.	Medicine.	Gynecology.	Hygiene and Prev. Medicine.	

The Senior class is divided into two sections, which report, one at Lombard and Greene Streets, the other two at Calvert and Saratoga Streets, for one semester each, then rotate at the end of the first semester on January 28, 1922.

Each section of the class is divided into three groups—Medical, Surgical and Special. These groups will rotate on the following dates:

FIRST SEMESTER.

1st period, Oct. 3 to Nov. 5.
2nd period, Nov. 7 to Dec. 10.
3rd period, Dec. 12 to Jan. 28.

SECOND SEMESTER.

1st period, Jan. 30 to Mch. 4.
2nd period, Mch. 6 to Apr. 8.
3rd period, Apr. 10 to May 13.

The schedules are identical for both sections, except as noted on Mondays, from 2 to 3 P M., and on Tuesdays from 11 A. M. to 12 noon.

All lectures from 3.30 to 5.30 P. M. are to be attended at Lombard and Greene Streets

THE UNIVERSITY HOSPITAL TRAINING SCHOOL FOR NURSES.

Miss Lucy Ann Marshall, *Superintendent of Training School.*

The University of Maryland School for Nurses, established in the year 1889 for the purpose of instructing women in the art of caring for the sick, is now entering its thirty-second year.

The University Hospital is a large general hospital containing about 250 beds, and is equipped to give young women a thorough course of instruction and practice in all phases of nursing work.

Unusual advantages are offered to student nurses because of the varied services and well-thought-out curriculum, taught by qualified instructors and members of the Medical Staff of the University.

The Nurses' Home, while not a new building, has been recently renovated and is comfortable and cheerful.

Candidates wishing to obtain the course of instruction must apply personally or by letter to the Superintendent of Nurses. Those applying by letter should enclose a statement from a clergyman testifying to good moral character, and one from a physician certifying to sound health and unimpaired faculties. No candidate will be considered who is not physically fit. Applicants must not be under 19 or over 35 years of age. They must show that they have graduated from a high school or have the equivalent of such a degree of education. The Superintendent of Nurses decides as to the fitness of the candidate for the work and the propriety of dismissing or retaining them at the end of their probation term. She may also, with the approval of the Committee, dismiss a pupil from the school at any time for misconduct or inefficiency.

The course of instruction covers a period of three years.

Classes are admitted in February and March and September. Student Nurses are on duty eight hours during the day, and ten hours when on night duty, except during the first six weeks of the preliminary period, when four hours are spent in the wards and four hours in the classroom.

When the work will permit a half day is allowed on Sunday. The term of night duty is two months during each year.

Sickness: Pupils when ill will be cared for gratutiously. All time lost for sickness or any other cause must be made up.

Should the authorities of the school decide that through the time lost the theoretical work has not been sufficiently covered to permit the student to continue in that year, it will be necessary for her to continue her work with the next class.

Allowances: Students are allowed $10.00 each month, after the first three months, to defray the expenses incidental to her training, uniforms, etc. Students receive lodging, board and a reasonable amount of laundry work from date of entrance. Students receive $15.00 per month during their second year and $20.00 per month during their senior year. Sufficient books for students' use are supplied by the hospital.

Vacations: Vacations are given between June and September. A period of three weeks is allowed the student after the completion of the first and second years.

Examinations: Examinations are held after each course of study and lectures, and the standing of the student at the end of the year is based upon the results of these examinations and the general character of the work throughout the year.

The diploma of the school will be awarded to those who have satisfactorily completed the full term of three years and have passed successfully the final examinations.

Graduates University Hospital, Class 1921.

Student	Address
Mary Belle McDaniel	Maryland
Susan Pauline Neady	Pennsylvania
Christine Minnis	Pennsylvania
Zadieth Violet Reese	Maryland
Ruby Lee Reister	North Carolina
Claribel Hampton	North Carolina
Anna Elizabeth Woods	Maryland
Jessie Geraldine Rhodes	North Carolina
Louise Lee Bateman	Maryland
Kate Womack Hogshead	North Carolina
Mary Cutter Fisher	Maryland
Norma Lavada Gaver	Maryland
Ruth Elizabeth Gorman	Maryland
Helen Eugenie Reamy	Virginia
Helen Margaret Childs	Maryland
Blanche Lee Martin	North Carolina
Isabelle Jean Hanna	Maryland
Julia Rebecca Smith	Maryland

THE MERCY HOSPITAL TRAINING SCHOOL FOR NURSES.

The Mercy Hospital Training School for Nurses, conducted by the Sisters of Mercy and connected with the College of Physicians and Surgeons, was organized and incorporated under the general laws of the State of Maryland in 1899. Its first students were graduated in 1901; and on the passage of the bill for registration in 1904 the Sisters of Mercy, connected with the Hospital service, received certificates as registered nurses.

The Training School was affiliated with the Board of Regents of the State of New York in 1906; and in the same year the Alumnae Association was incorporated, having been previously connected with the Associated Alumnae of the United States. The graduates, as active members, have been much interested in the movements of the Maryland Association of Graduate Nurses, to whom they have given every encouragement to uplift the profession in its many works of district nursing, tuberculosis campaign, Red Cross movements, etc.

The requirements for entrance are: Highest moral standing, health, intelligence and a High School education or its equivalent. The age limit is twenty to thirty-five years.

After a three months' probation, candidates, if they possess the necessary qualifications, are admitted to the Training School proper, receiving five dollars a month wherewith to secure textbooks, etc., the education they receive being considered their compensation. The right is reserved to dismiss pupils for any cause which may be deemed sufficient by the Sister Superior or Superintendent.

The course of training comprises three years of theory and practice. The clinical advantages are exceptional. The medical, surgical, orthopedic, gynecological, obstetrical, children's and dietetic departments give valuable practical experience. The nurses are taught the theory of nursing by class recitations and demonstrations by efficient Sister instructors. Supplementing this training is a course of lectures from the professors of the University of Maryland School of Medicine and College of Physicians and Surgeons, who are untiring in their efforts to keep the School abreast with modern scientific developments.

Graduates, 1921.

Name	Address
Sister Mary Consilia	Arkansas
Anne Marie Baker	West Virginia
Katherine Ann Blickenstaff	Maryland
Dorothy Mae Chenoweth	Maryland

Ella Clatterbuck	Pennsylvania
Sabina P. Concannon	Maryland
Rachael Darby	Pennsylvania
Kathryn Marie Dowling	Pennsylvania
Mary Agnes Dunnigan	Maryland
Frances Esther Hatfield	Maryland
Beatrice Frances Hilton	Pennsylvania
Mary Adeline Hoffnagle	Pennsylvania
Mary Genevieve Keefer	Pennsylvania
Anna Catherine Lavell	Massachusetts
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Mary Helen Rathbone	West Virginia
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Eileen Ann Rice	Pennsylvania
Agnes Eleanor Ryan	West Virginia
Isabelle Schultz	West Virginia
Billie A. Sharpe	West Virginia
Lexavae Stanley	West Virginia
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which case the wishes of the donor will be strictly regarded. Attention is invited to the "Charles Frick Research Fund," already established in memory of that distinguished investigator. Checks should be made payable to B. Merrill Hopkinson, M.D., Treasurer, Professional Building, Baltimore, Md.

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YOUNG MEN'S CHRISTIAN ASSOCIATION OF THE UNIVERSITY OF MARYLAND.

The Y. M. C. A., since its establishment twenty-one years ago, has had a splendid influence in helping to mould the character of the students at the University.

All students in each department of the University are eligible to active or associate membership. Membership in the University Association entitles the holder to special privileges in the City Association. Bible and Mission Study Classes and Social Service Work are promoted by the Association and every effort is exerted to build morality and strong Christian character.

A committee will be on hand in Davidge Hall at the opening of the session to welcome all new students to the University. This committee will be glad to render assistance in securing comfortable rooms and boarding houses, and will extend every other courtesy possible. Each new student will be handed a copy of the handbook, a publication issued by the Y. M. C. A., containing valuable information.

All young men who intend to enter the University are cordially invited to share in the privileges and work of the Association.

The officers named will be glad to furnish any information desired in regard to the Association, and will be glad to render any assistance. Correspondence should be addressed to the president, William Hollister.

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UNIVERSITY HOSPITAL.

COLLEGE OF PHYSICIANS AND SURGEONS AND MERCY HOSPITAL.

VOL. VII JULY, 1922 NO. 1

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OF THE

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OF THE

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SESSION 1922-1923

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UNIVERSITY OF MARYLAND—GENERAL VIEW

BULLETIN

OF THE

University of Maryland School of Medicine

AND

College of Physicians and Surgeons

Successor to The Hospital Bulletin, of the University of Maryland, Baltimore Medical College News, and the Journal of the Alumni Association of the College of Physicians and Surgeons.

Vol. VII JULY, 1922 No. 1

ANNUAL ANNOUNCEMENT.

SESSION 1922-1923.

CALENDAR

1922-1923.

SCHOOL OF MEDICINE.

September 18 to 25, Inc.—Examinations for advanced standing.

October 2—Regular session begins.

November 30—Closed (Thanksgiving Day).

December 21—Christmas recess begins after last lecture period.

January 2—Lectures resumed 9 A. M.

February 22—Closed (Washington's Birthday).

March 29—Easter recess begins after last lecture period.

April 3—Lectures resumed. 9 A. M.

June 9—Commencement.

THE UNIVERSITY OF MARYLAND

Control of the University of Maryland is vested in a Board of nine Regents, appointed by the Governor and confirmed by the Senate for terms of nine years each. The general administration of the University is vested in the President. The University Council is an advisory body, composed of the President, the Assistant to the President, the Director of the Agricultural Experiment Station, the Director of the Extension Service, and the Deans. The University Council acts upon all matters having relation to the University as a whole, or to co-operative work between the constituent groups. Each school has its own Faculty Council, composed of the Dean and members of its faculty; each Faculty Council controls the internal affairs of the group it represents.

The University has the following educational organization:

The College of Agriculture,
The College of Engineering,
The College of Arts and Sciences,
The School of Medicine,
The School of Law,
The School of Denistry,
The School of Pharmacy,
The College of Education,
The College of Home Economics,
The Graduate School,
The Summer School,
The Department of Physical Education and Recreation,
The School of Commerce.

The Schools of Medicine, Law, Dentistry, Pharmacy and Commerce are located in Baltimore; the others in College Park, Maryland.

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Charles R. Goldsborough, A.M., M.D., Instructor in Medicine.
Louis F. Krumrein, M.D., Instructor in Bacteriology.
Henry F. Buettner, M.D., Instructor in Bacteriology.
J. A. F. Pfeiffer, M.D., Instructor in Bacteriology.
Joseph E. Gately, M.D., Instructor in Dermatology.
E. P. Smith, M.D., Assistant in Operative Surgery.
J. A. Skladowsky, M.D., Assistant in Neurology.
John Houff, M.D., Assistant in Pediatrics.
F. K. Kearney, M.D., Assistant in Surgery.
T. K. Galvin, M.D., Assistant in Gynecology.
G. W. Bowden, M.D., Assistant in Surgery.
F. H. Machin, M.D., Assistant in Obstetrics.
Horace Byers, M.D., Assistant in Medicine.
Dwight Mohr, M.D., Assistant in Surgery.
J. G. M. Reese, M.D., Assistant in Obstetrics.
Amos Hutchins, M.D., Assistant in Surgery.
B. J. Ferry, M.D., Assistant in Pediatrics.
H. H. Warner, M.D., Assistant in Pediatrics.

J. F. Hawkins, M.D., Assistant in Pediatrics.
Joseph Sindler, M.D., Assistant in Gastro-Enterology.
C. A. Reifschneider, M.D., Assistant in Surgery.
W. R. Gerathy, M.D., Assistant in Surgery.
S. Demarco, M.D., Assistant in Surgery.
Jack M. Hundley, M.D., Assistant in Surgery.
O. H. Lloyd, M.D., Assistant in Surgery.
Clyde N. Marvel, M.D., Assistant in Surgery.
Everard Briscoe, M.D., Assistant in Surgery.
W. J. Todd, M.D., Assistant in Pediatrics.
Percy B. Hardcastle, M.D., Assistant in Pediatrics.
John H. Traband, M.D., Assistant in Pediatrics.
Susanne Parsons, A.B., M.D., Ph.D., Assistant in Obstetrics.
L. K. Fargo, M.D., Assistant in Genito-Urinary Diseases.
M. Chideckel, M.D., Assistant in Gastro-Enterology.
N. J. Davidov, M.D., Assistant in Gastro-Enterology.
Albert Eisenberg, M.D., Assistant in Gastro-Enterology.
M. Koppelman, M.D., Assistant in Gastro-Enterology.
Zacariah Morgan, M.D., Assistant in Gastro-Enterology.
Paul Foreman Wiest, M.D., Assistant in Gastro-Enterology.
William F. Geyer, M.D., Assistant in Pediatrics.
George E. Wells, M.D., Assistant in Pediatrics.
F. B. Smith, M.D., Assistant in Pediatrics.
P. Artigiani, M.D., Assistant in Pediatrics.
I. J. Feingart, M.D., Assistant in Pediatrics.
E. D. Weinberg, M.D., Assistant in Pathology.
A. E. Goldstein, M.D., Assistant in Pathology.
Dudley Pleasants Bowe, B.A., M.D., Assistant in Obstetrics.
R. F. McKenzie, M.D., Assistant in Diseases of the Throat and Nose.
Stanley E. Matthews, M.D., Assistant in Obstetrics.
Wetherbee Fort, M.D., Assistant in Medicine.
B. B. Brumbaugh, M.D., Assistant in Medicine.
Herman Seidel, M.D., Assistant in Medicine.

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Superintendent of the Hospital, Kenneth B. Jones, M.D.

Physicians.

Gordon Wilson, M.D.
Charles W. McElfresh, M.D.
Roscoe C. Metzel, M.D.
Paul W. Clough, M.D.
Maurice C. Pincoffs, M.D.
G. Carroll Lockard, M.D.,
Jos. E. Gichner, M.D.
Wm. H. Smith, M.D.

Gastro Enterologists.

Julius Friedenwald, A.M., M.D.
John C. Hemmeter, Ph.D., M.D.

Neurologist.

IRVING J. SPEAR, M.D.

Psychiatrist.

R. M. CHAPMAN, M.D.

Pediatrician.

CHARLES L. SUMMERS, M.D.

Pathologists.

HUGH R. SPENCER, M.D. STANDISH MCCLEARY, M.D.
S. LLOYD JOHNSON, M.D.

Surgeons.

RANDOLPH WINSLOW, A.M., M.D., LL.D. ARTHUR M. SHIPLEY, M.D.
JOSEPH W. HOLLAND, M.D. PAGE EDMUNDS, M.D.
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CHARLES REID EDWARDS, M.D.

Laryngologist.

EDWARD A. LOOPER, M.D.

Proctologists.

G. MILTON LINTHICUM, A.M., M.D. J. DAWSON REEDER, M.D.

Orthopedic Surgeons.

R. TUNSTALL TAYLOR, A.B., M.D. COMPTON RIELY, M.D.

Genito-Urinary Surgeons.

PAGE EDMUNDS, M.D. W. H. TOULSON, M.S., M.D.

Roentgenologist.

HENRY J. WALTON, M.D.

Dermatologist.

HARRY M. ROBINSON, M.D.

Obstetricians.

L. E. NEALE, M.D. J. M. H. ROWLAND, M.D.
L. H. DOUGLAS, M.D. J. G. M. REESE, M.D.

Ophthalmologists and Otologists.

HARRY FRIEDENWALD, M.D.
WILLIAM TARUN, M.D. HIRAM WOODS, A.M., M.D.

Gynecologists.

J. Mason Hundley, M.D.
Hugh Brent, M.D.
W. S. Gardner, M.D.
R. G. Willse, M.D.

RESIDENT STAFF.

Resident Physician.

Leon Freedom, M.D.

Resident Surgeon.

L. H. Brumback, M.D.

Resident Gynecologist.

Earle E. Broadrup, M.D.

Resident Obstetrician.

J. Morris Reese, M.D.

Resident Pathologist.

W. Horsley Gantt, M.D.

Resident Pediatrician.

John F. Aubrey, M.D.

Internes.

C. F. Fisher, M.D.
J. W. Guyton, M.D.
T. N. Wilson, M.D.
J. R. Kemp, M.D.
Thomas R. O'Rourke, M.D.
William Huff, M.D.
Ira P. Champe, M.D.
G. C. Halley, M.D.
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M. C. Lang, M.D
William Hollister, M.D.
Bricey M. Rhodes, M.D.
William Fulton, M.D.

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Medicine.

H. M. Stein, M.D., *Chief of Clinic.*

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C. R. Goldsborough, M.D.
S. R. Clarke, M.D.
G. L. Zimmerman, M.D.
B. B. Brumbaugh, M.D
L. L. Gordy, M.D.
W. G. Clopton, M.D.

Diseases of Stomach and Intestine.

J. H. Ullrich, M.D., *Chief of Clinic.*

Joseph Sindler, M.D.
Z. Morgan, M.D.
Paul F. Wiest, M.D.
M. S. Koppelman, M.D.
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Pediatrics.

Charles L. Summers, M.D., *Professor of Pediatrics.*

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Psychiatry.

R. M. Chapman, M.D., *Professor of Psychiatry.*

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Tuberculosis.

J. E. O'Neill, M.D., *Consultant.*

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Orthopedics.

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Compton Riely, M.D., *Chief of Clinic.*

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Genito-Urinary.

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Eye and Ear.

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Miss Grace Pearson, *Directress.*

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J. W. DOWNEY, M.D.

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GEORGE W. MITCHELL, M.D.

Associate Rhinologists and Laryngologists.

W. F. ZINN, M.D.
RAYMOND MCKENZIE, M.D.

Proctologist.

CHARLES F. BLAKE, M.D.

Assistant.

L. J. ROSENTHAL, M.D.

Orthopedic Surgeon.

ALBERTUS COTTON, M.D.

Associate.

H. L. ROGERS, M.D.

Urologist.

A. G. RYTINA, M.D.

Assistant.

A. J. GILLIS, M.D.

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MARTIN F. SLOAN, M.D. G. MCLEAN, M.D.
J. W. MARTINDALE, M.D.

Gastro-Enterologists.

JULIUS FRIEDENWALD, M.D.

Associates.

T. FREDERICK LEITZ, M.D. THEODORE MORRISON, M.D.

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MAURICE FELDMAN, M.D. JOSEPH SINDLER, M.D.

Pediatrists.

JOHN RUHRAH, M.D. EDGAR B. FRIEDENWALD, M.D.

Associate.

HARRY GOLDBERG, M.D.

Neurologist and Psychiatrist.

ANDREW C. GILLIS, M.D.

Assistants.

L. A. M. KRAUSE, M.D. MILFORD LEVY, M.D.

Dermatologist.

MELVIN ROSENTHAL, M.D.

OBSTETRICAL DIVISION.

Obstetricians.

GEO. W. DOBBIN, M.D. CHARLES E. BRACK, M.D.

Associate Obstetricians.

E. P. SMITH, M.D. T. K. GALVIN, M.D.

GYNECOLOGICAL DIVISION.

Gynecologists.

WILLIAM S. GARDNER, M.D ABRAHAM SAMUELS, M.D.
GEORGE A. STRAUSS, M.D.

Associate Gynecologists.

T. K. Galvin, M.D. E. P. Smith, M.D.

PATHOLOGICAL DIVISION.

Pathologist.

Standish McCleary, M.D.

Clinical Pathologist.

H. T. Collenberg, M.D.

Technicians—Sister M. Joan, Ph.G., R.N., Adelia Kelly, R.N.

DEPARTMENT OF DENTISTRY.

Attending Dentist.

Norval McDonald, D.D.S.

X-RAY DEPARTMENT.

Radiographers.

Albertus Cotton, M.D. Harry L. Rogers, M.D.

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C. F. Foley, M.D. Raymond Peters, M.D.
J. E. Koplowitz, M.D. K. W. Golley, M.D.
C. G. McCoy, M.D. Oscar G. Costa, M.D.
A. R. Saporito, M.D. Thos Pereira, M.D.

E. Martinez, M.D.

DISPENSARY STAFF OF MERCY HOSPITAL.

Surgery.

Supervisors.

Alexius McGlannan, M.D. W. D. Wise, M.D.

Attending Surgeons.

A. M. Evans, M.D. O. H. Lloyd, M.D.
D. H. Mohr, M.D. Clyde Marvel, M.D.
F. X. Kearney, M.D. A. F. Hutchins, M.D.
I. O. Ridgely, M.D. Everard Briscoe, M.D.

H. B. McElwain, M.D.

Genito Urinary Surgery.

Supervisor, A. G. Rytina, M.D.

Attending Surgeons.

A. L. Tumbleson, M.D.
Harris Goldman, M.D.
H. C. Knapp, M.D.
A. J. Gillis, M.D.
J. F. Hogan, M.D.

Orthopedic Surgery.

Albertus Cotton, M.D.
Harry L. Rogers, M.D.

Medicine.

Supervisor, Wm. F. Lockwood, M.D.

Attending Physicians.

Martin F. Sloan, M.D.
Herman Seidel, M.D.
Wetherbee Fort, M.D.
B. T. Baggott, M.D.
L. A. M. Krause, M.D.
Edward Novak, M.D.

Diseases of Stomach.

Supervisor, Julius Friedenwald, M.D.

Attending Physicians.

T. Frederick Leitz, M.D.
Theodore H. Morrison, M.D.
M. Feldman, M.D.
Joseph Sindler, M.D.
M. Chideckel, M.D.
S. Zinberg, M.D.
A. Eisenberg, M.D.

Nervous Diseases.

Supervisor, A. C. Gillis.

Attending Physicians.

Milford Levy, M.D.
Geo. F. Sargeant, M.D.

Diseases of Women.

Supervisors.

W. S. Gardner, M.D.
A. Samuels, M.D.

Attending Surgeons.

E. P. Smith, M.D.
T. K. Galvin, M.D.
H. Palmisiano, M.D.
C. F. J. Coughlin, M.D.

Diseases of Nose and Throat.

W. F. Zinn, M.D.
R. F. McKenzie, M.D.

Diseases of Eye and Ear.

H. K. Fleck, M.D. M. Raskin, M.D.

Pediatrics.

Edgar B. Friedenwald, M.D.

I. J. Feingart, M.D. M. Ephraim, M.D.

M. Cumin, M.D.

Neuro-Otology.

J. W. Downey, Jr., M.D.

Proctology.

L. J. Rosenthal, M.D.

Dermatology.

Melvin Rosenthal, M.D.

Dental Clinic.

Norval McDonald, D.D.S. L. A. Walzak, D.D.S.

Social Service Department.

Katherine A. Monahan, R.N., *Director.*
Catherine Campbell, R.N., *Assistant.*
Clara E. Connery, R.N., *Chief Dispensary Nurse.*
Helen M. Moore.
Isabelle Bruton, *Register.*

Dispensary Directress.

Sister M. Helen, R.N.

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Associate Surgeons.

Sydney M. Cone, A.B., M.D. Albertus Cotton, A.M., M.D.

Compton Riely, M.D.

Attending and Dispensary Surgeons.

W. H. Daniels, M.D. J. Albert Key, B.A., M.D.

E. Lewis Ardman, B.A., M.D.

Instructors in Corrective Gymnastics.

MISS ANITA RENSHAW PRESSTMAN. MISS ELIZABETH EMORY.

MISS MARY H. LEE, *Principal of School.*

Kindergartner and Industrial Teacher.
(To be appointed.)

Roentgenologists.

HENRY J. WALTON, M.D. J. F. LUTZ, M.D.

Attending Plastic Surgeon.
JOHN STAIGE DAVIS, B.Sc., M.D.

Attending Physician.
BENJAMIN TAPPAN, B.A., M.D.

Attending Surgeon.
A. M. SHIPLEY, M.D.

Attending Neuro Surgeon.
CHARLES BAGLEY, JR., M.D.

Attending Laryngolist.
F. B. ANDERSON, M.D.

Attending Dermatologist.
JOHN R. ABERCROMBIE, A.B., M.D.

Attending Pathologist.
HOWARD J. MALDEIS, M.D.

Attending Urologist.
GIDEON TIMBERLAKE, M.D.

Attending Oculist and Aurist.
WILLIAM TARUN, M.D.

Attending Neurologist.
IRVING J. SPEAR, M.D.

Attending Dentists.

G. E. P. TRUITT, D.D.S. J. B. BELL, D.D.S.

Consulting Surgeons.

W. S. Halstead, A.B., LL.D., *B.Sc.*, M.D. J. M. T. Finney, A.B., M.D.
Randolph Winslow, A.M., M.D., LL.D. Archibald C. Harrison, M.D.

Consulting Physicians.

Thomas R. Brown, A.B., M.D. Llewellys F. Barker, A.B., M.D.
Thomas B. Futcher, A.B., M.D. William S. Thayer, A.B., M.D.

Consulting Oculist.

Hiram Woods, M.D.

Consulting Laryngoloist.

John N. MacKenzie, A.B., M.D.

Dispensary and Social Service Nurse.

Miss Mabel Brown, R.N.

Head Nurse.

Miss Ida Lachley, R.N.

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Thomas R. Boggs, S.B., M.D., *Physician-in-Chief.*

Arthur M. Shipley, M.D., *Surgeon-in-Chief.*

H. D. McCarty, M.D., *Physician-in-Chief to the Municipal Tuberculosis Hospital.*

Harry Goldsmith, M.D., *Physician-in-Charge of the City Detention Hospital for the Insane.*

John R. Cash, M.D., *Pathologist.*

Lawrence Getz, M.D., *Acting Pathologist in the Absence of Dr. Cash.*

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Ophthalmologist.

James J. Mills, M.D.

Otologist.

William Tarun, M.D.

Gynecologist.

R. G. Willse, M.D.

Urologist.
W. H. Toulson, M.D.

Largynologists.
Frank Dyer Sanger, M.D.
H. R. Slack, M.D.

Pediatrician.
John Ruhrah, M.D.

Neurologist.
Henry M. Thomas, M.D.

Psychiatrists.
Henry J. Berkeley, M.D.
Adolph Meyer, M.D.

Assistant Visiting Physician.
Charles R. Austrian, M.D.

Assistant Visiting Surgeon.
Frank S. Lynn, M.D.

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Surgeons.
Thomas R. Chambers, M.D. F. L. Jennings, M.D.

Opthalmologist and Otologist.
Harry Friedenwald, M.D.

Laryngologist and Rhinologist.
M. L. Breitstein, M.D.

Orthopedist.
William Nachlas, M.D.

Interne.
Frederick Dart.

Superintendent.

Miss George Allen Hutton.

Assistant Superintendent.

Miss Margaret Collison.

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Charles L. Summers, M.D. Charles R. Goldsborough, M.D.
T. F. White, M.D.

Visiting Surgeon.

Alexius McGlannan, M.D.

Visiting Oculists and Aurists.

J. Frank Crouch, M.D. Clyde A. Clapp, M.D.

Visiting Orthopedic Surgeon.

Compton Reilly, M.D.

Visiting Proctologist.

G. Milton Linthicum, *A.M., M.D.*

Pathologist.

Sydney M. Cone, A.M., M.D.

MATRICULATES, UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE AND COLLEGE OF PHYSICIANS AND SURGEONS, 1921-1922.

POST-GRADUATES AND SPECIAL STUDENTS.

Name	State
Barnes, Harry A., M.D.	Maryland
Benson, Frank L., M.D.	Pennsylvania
Bowers, Ralph C., M.D.	Maryland
Burton, Frank J., M.D.	Utah
Cahn, Charles A., M.D., D.D.S.	Maryland
deCaesar, Dominick Joseph	New York
Cousins, John Andrew	Maryland
Craig, Branch, M.D.	Texas
Ensor, C. B., M.D.	Maryland
Foxwell, Raymond K., M. D.	D. C.
Hawkins, Vallie, M.D.	Pennsylvania
Holroyd, Frank F., M.D.	West Virginia
King, W. P.	North Carolina
Krieger, Emanual, D.D.S.	Maryland
Meintzberger, Gilbert Stephen	Maryland
Moore, Donald Bain, M.D.	North Carolina
Norman, John Standing, M.D.,	North Carolina
Patterson, R. D., M.D.	North Carolina
Preston, D. G., M.D.	Virginia
Shepard, Gertrude	Georgia
Williams, Timothy Graham, M.D.,	North Carolina

FOURTH YEAR CLASS.

Name	State
Bailey, Harry, A.B.	Connecticut
Buchness, Anthony V., A. B.	Maryland
Champe, Jr., Ira Preston	West Virginia
Doshay, Louis Jacob, A.B.	New York
Fleischmann, Berthold, B. S.	New York
Freidus, Elias	New York
Fritz, Julius Dudley	New York
Fulton, William James	Maryland
Ginsberg, William, A.B.	New York
Goldmann, Bernhard Alexander,	Pennsylvania
Gollick, William A., B. S.	New Jersey
Gordon, Elias, B.S.	Pennsylvania
Gordon, Herbert	New York
Greenbaum, Leonard Harry	Maryland
Groff, Morris	New York
Halley, George Conrad	Idaho
Harman, Robert Dove, B.S.	West Virginia
Hatfield, Daniel S.	West Virginia
Heitsch, Hubert M.	Michigan
Hollister, William, B. S.	North Carolina
Horowitz, Herman Jack, B. S.,	New York
Huff, William, A.B.	Virginia
Ingram, David N.	Maryland
Keefe, George G., A. B.	Connecticut
Kerdasha, George S.	New Jersey
Krager, John J., A.B.	Maryland
Kunkowski, Andrew	Maryland
Lang, Milton Charles	Maryland
Lawson, Lawrence Wells, A.B.,	West Virginia
Linke, James Julian Paul, B. S.,	New Jersey
McCoy, C. Glen, A. B.	West Virginia
Mercier, Albin Scott, A. B.	Maryland
Middlemiss, Wm. Robert, B. S.	Utah
Monninger, Arthur Cecil	Pennsylvania
Morgan, Edward Nicholas	New York
Noll, Louis, B. S.	Connecticut
O'Connor, John Andrew, A. B.	Maryland
Payne, John Edward, B. S.,	West Virginia
Peters, H. Raymond, B. A.	Maryland
Pittman, Henry Lee	North Carolina
Pullen, Guy Foote	Connecticut
Rhodes, Bricey Milton	Florida
Rudisill, John David, A. B.,	North Carolina
Salzberg, Abraham Hellman	New York
Saporito, Archibald R.	New Jersey
Sekerak, Arthur Joseph Francis,	Connecticut
Shannon, George Edmon	Maryland
Shapin, Sydney	New York
Shapiro, Louis Mendelsohn, B. A.,	Connecticut
Sternberg, Harry Melmuth	New York
Stovin, Joseph Samuel, Ph. B.,	Connecticut
Stout, Philip David, B. A.	Tennessee
Sweet, Samuel Waterman, B. S.,	New York
Trynin, Aaron H., B. A.	New York
Warfield, Jr., John Ogle, A. B.,	Pennsylvania
Wilson, Thomas Norwood, A. B.,	Maryland

THIRD YEAR CLASS.

Name	State
Beck, Nathaniel M., A. B.	Maryland
Berkson, Morris I.	Pennsylvania
Bowers, Jr., Thaddeus R., A.B.,	North Carolina
Clapham, Roger E., B.S.	West Virginia
Cortese, Anthony Edward	New Jersey
Dart, Frederick Bond	Connecticut
Desane, Joseph	New York
Edmonds, John Milton	Michigan
Fleshman, Dewey Lynwood, B.S.,	West Virginia
Goldberg, Ben	New York
Gordon, Abraham S.	New York
Giffin, Theodore Clifton, B.S.,	West Virginia
Grose, Robt. Glenn, B.A.	North Carolina
Groves, Robt. B., B.A.	North Carolina
Gutowski, Joseph Matthew	New Jersey
Hagerman, Paul	West Virginia
Harp, J. Elmer	Maryland
Hirsch, Philip	New York
Hundley, Jr., John T. T., A. B.	Virginia
Hunt, William Bryce, B.A.,	North Carolina
Jennette, William Carl, A.B.,	North Carolina
Keith, Marion Yates	North Carolina
Knipp, George A.	Maryland
Kraut, Arthur Milton	New Jersey
Kyper, Frederick T.	Pennsylvania
Lally, Leo Aloysius	Pennsylvania
Long, Ira C., A. B.	North Carolina
Love, Jr., William Samuel, B.A.,	Maryland
McCullough, Carlton S. L., B.S.,	Pennsylvania
McLean, Herbert E., B.A.	New Jersey
Moler, Raleigh M., B.S.	West Virginia
Murray, Robert Lebby, B.S.,	North Carolina
Myers, Karl Johnson, B.S.	West Virginia
Newcomer, David R., B.S.	Maryland
Newcomer, Ward E., B.S.	Pennsylvania
Parson, Willard Sigsbee	Pennsylvania
Peterman, James Elmer	Pennsylvania
Pondfield, Louis F., B.A.	Maryland
Pontery, Herbert	New Jersey
Povalski, Alexander William	New Jersey
Prather, Fonzo Goff, B.S.	West Virginia
Rothfuss, Paul A., B. S.	Pennsylvania
Ruche, Harry Charles	Pennsylvania
Saurborne, Sylvia M. B., B.S.,	West Virginia
Schorr, Richard	New York
Shealy, Walter Hal, B. A.	South Carolina
Sherman, Louis	New York
Smith, Charles Franklin	Pennsylvania
Snaith, Theresa Ora	West Virginia
Sowers, Roy Gerald, B.S., M.A.,	North Carolina
Steincrohn, Peter Joseph	Connecticut
Sussman, Abram Allen, D.D.S.	Maryland
Touhey, Thomas Joseph	Delaware
Walker, William Wallace, B.S.,	West Virginia
Wasserstrom, Sidney	New York
Weinert, Henry V.	New Jersey
Welton, William Archibald, B.S.,	West Virginia
Werner, Walter I.	Ohio
White, Francis Willard Moody, B.A.,	North Carolina
White, James Franklin, B.S.,	West Virginia

SECOND YEAR CLASS.

Name	State
Allen, Moore Lowry	Utah
Anderson, Albert Louis	Maryland
Antonius, Nicholas A.	New Jersey
Barnes, D. Keith	Utah
Bartlett, Jr., Charles Wm.	Florida
*Bershatsky, William	New York
Boyd, Kenneth Beay	Maryland
Briglia, Nicholas Natale	Pennsylvania
Carter, Carl John	West Virginia
Edelman, Edward Isidor	New York
Fisher, Harry Richard	New York
Flax, Ira Isador	New Jersey
Frehling, Joseph Morris	Kentucky
Friedman, Bernard	New York
Friedman, Irving	New Jersey
Gattens, Wilber Elton, B.S.	Maryland
**Gottlieb, Bernard Norman	New York
Granoff, Joseph F.	New York
Greifinger, Marcus Harry	New Jersey
Grossblatt, Philip	New Jersey
Howell, Clewell, B. S.	North Carolina
Jacobson, Philip	Maryland
Knox, Joseph Clyde	North Carolina
Koons, Earle Weant, B. S.	Maryland
Kratz, Fred William	Maryland
Leibensperger, George F.	Pennsylvania
Levine, Samuel	New Jersey
Marsh, James T., A. B.	Maryland

*Note—Not in attendance.

SECOND YEAR CLASS—Continued.

Name	State
Marton, Samuel	New York
Maseritz, Isidore	Maryland
Maurillo, Dominick Francis, A.B.,	New York
Megahan, Burke	Pennsylvania
Messinger, Benjamin	New York
Miller, Benjamin	Maryland
Miller, Jacob M.	Maryland
Miller, Joseph G.	Maryland
Monroe, Clement R.	North Carolina
Moriarty, Louis	Connecticut
Morris, Philip	New York
Morrison, Jr., William Henry,	Pennsylvania
McLane, William Oliver, Jr., B.S.,	Maryland
McClosky, William Thomas,	District of Columbia
Nash, Alexander E.	New Jersey
Nelson, James Wharton, A. B.	Maryland
Neustaedter, Theodore M.	New York
Nocera, Domingo	Porto Rico
Norment, John E., A. B.	Maryland
Pachtman, Isadore	Pennsylvania
Perry, Arch. H.	North Carolina
Pitkowsky, Louis K.	New York
**Sarubin, Benjamin	Maryland
Scagnetti, Albert	New York
Scheindlinger, Morris I.	New York
Schlenger, Leo Breuner	New Jersey
Schultz, Louis Ariel	New York
Scimeca, Antonio Adolfo	New York
Seliger, Robert V.	New York
Shapiro, Ralph N.	New Jersey
Tabershaw, Arnold Leon	New York
Theuerkauf, Frank Joseph.	Pennsylvania
Urbanski, Adrian Xavier	New Jersey
Weiner, Hymen L.	Pennsylvania
Weinstock, Alex. A.	New York
Whaley, Thomas Bravard	Maryland
Woodyard, Edwin Sayre	West Virginia
Zaslow, John	New York

FIRST YEAR CLASS.

Balcerzak, Stanley Paul.	Pennsylvania
*Brender, Max	New York
Bentz, Felix	Connecticut
Brown, Leo T.	District of Columbia
*Burke, E. N.	Kentucky
Cadle, William Rodman	Maryland
Cantor, Nathan	Connecticut
*Callahan, J. J.	
Carder, Joe R.	West Virginia
Cardinale, P. F.	New Jersey
*Casey, Calvert E.	Rhode Island
Cassidy, John J., B.S.	Delaware
Clahr, Abraham Albert	New York
Coonan, Jr., Thos. J., A.B.	Maryland
Coe, John M.	Dist. of Columbia
*Coffindaffer, R. S.	West Virginia
Cope, Arthur Alexander, A.B.,	Pennsylvania
Davis, Norvel R.	Maryland
**Davidov, Benjamin	Maryland
**Davidson, Meyer	Maryland
Demely, Louis Alvin	Maryland
De Vincentis, Henry	New Jersey
**Diffenderffer, Robert Tinley,	Pennsylvania
Donohoe, Edward C., A.B.	Pennsylvania
*Donovan, Charles Michael.	Connecticut
Draper, Leonidas McFerren, B.A.,	North Carolina
Dreskin, Jacob L.	New Jersey
Dwyer, D. R., A.B.	Connecticut
Elgin, Lee William	Maryland
Ellis, Francis A., A.B.	Maryland
Epstein, Harry Herman	New York
*Ehrenreich, Isaac, B.S.	Maryland
Everett, Franklin A.	Pennsylvania
Fancher, Jr., H. Wilson	Connecticut
Farber, Raphael	Pennsylvania
**Ferrara, James	New York
Fields, Abijah Clements	Alabama
Fine, Morris Aaron	Maryland
Finnell, Reuben Ashford	Maryland
Fischman, Harold	New Jersey
Fishof, Frank	New York
Fuchs, Abner	New York
Gale, Louis Harry	Pennsylvania
Gaston, William Bryan	West Virginia
**Geraghty, Francis J., B.A.	Maryland
*Glickel, Henry	New York
Grandfield, Robert Francis.	Rhode Island
*Greenwald, M.	New York
Grimm, Jr., Wilson O.	West Virginia
Gross, Sigmund	New York
**Hale, Elwin Faulconer	Virginia
Herbert, Alpha Nathan	New Jersey
Hertz, Ben	New York
Hibbitts, John Thomas	Maryland
Hulla, Jaroslav	Maryland

*Note—Not in attendance.

**Note—Not in attendance entire session.

FIRST YEAR CLASS—Continued.

Name	State
Jacobs, Morris Albert	Maryland
Keating, John Patrick	Connecticut
**Kelly, Allen Wilbur	Maryland
Kiesel, Henry	New York
Knotts, W. K.	Maryland
Lalley, Paul Francis	Pennsylvania
Laus, Edward Raymond	New York
Linde, S. Arthur	Maryland
London, Daniel	New York
Lopatin, Samuel	Connecticut
Lowe, Claude Milton	Pennsylvania
Marciniak, Edward Stanley	New Jersey
Merchant, Harry McCreary, B.S.,	Florida
Metsky, Joseph	New Jersey
Miller, Edgar Raymond, A.B.,	Pennsylvania
Minnefor, Chas. A.	New Jersey
*Mitchell, Charles Archie, A.B.	Maine
Molina, Rafael Rodriguez	Porto Rico
Morales, Jaime Vila	Porto Rico
Mullenusky, Joseph John	Pennsylvania
Nataro, Joseph	New Jersey
Nimaroff, Meyer	New Jersey
Nock, Randolph Maxwell	Maryland
**Norment, Clinton Crawford	Maryland
Orton, Lyman R.	Massachusetts
Oshrin, Henry	New Jersey
Pearrell, Ernest H.	Maryland
Pierce, James Lewis	Florida
Pinsky, Myer Mordecai	New Jersey
Plassnig, Edwin, B.S.	Maryland
Polizzotti, Joseph L.	New Jersey
Poplack, Samuel Lewis	Connecticut
Pulaski, Leo Edward	Pennsylvania
**Pullen, Lawrence Homer	Maryland
Radest, Louis	New York
Rathsprecher, Isadore	New Jersey
**Resh, George Daniel, A.B.	Maryland
**Rezek, George Jaroslav	Maryland
*Rosenberg, H. S.	New York
Rosenstein, Jacob	New York
Rocco, Frank	New Jersey
Sarnoff, Jack	New York
Schachter, Eugene Joel	Pennsylvania
*Schilling, A. B.	New Jersey
Seiken, George	New York
Silverstein, Jacob Maurice	New Jersey
Simon, Joseph R.	Pennsylvania
**Smith, Jr., James Bathurst, B.S.,	Virginia
**Skilling, Francis C.	Maryland
Sinton, William Allen	Virginia
Straka, Robert Paul	Pennsylvania
Sulman, William R.	Pennsylvania
*Sweeney, Jr., J. J.	Maryland
Tomainoli, M. F.	New Jersey
Turner, Thomas Bourne, B.S.	Maryland
Visconti, Joseph A.	New Jersey
Wallace, Erwin Basse	Maryland
Wasserweig, Martin Max	Pennsylvania
Webb, Elmore Miller	Maryland
Wiener, Joseph	New York
Weintraub, Harry	Maryland
**Wietzen, Samuel	New York
Zimmerman, Charles C	Maryland

*Note—Not in attendance.

**Note—Not in attendance entire session.

GENERAL SUMMARY OF STUDENTS ATTENDING THE UNIVERSITY OF MARYLAND, SESSION OF 1921-22.

College of Home Economics	17
College of Agriculture	190
College of Engineering	164
College of Arts and Sciences	198
College of Education	72
The Graduate School	23
The Summer School, 1921	380
School of Medicine	299
School of Law	490
School of Dentistry	204
School of Pharmacy	93
School of Commerce	240
School of Nurses	69
Extension Courses	75
Total	2514

GRADUATES, UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE AND COLLEGE OF PHYSICIANS AND SURGEONS,

JUNE 1, 1922.

Name	State
Bailey, Harry, B.A.	Connecticut
Buchness, Anthony V., A.B.	Maryland
Champe, Jr., Ira Preston	West Virginia
Doshey, Louis Jacob, B.A.	New York
Fleischmann, Berthold, B.S.	New York
Freidus, Elias	New York
Fritz, Julius Dudley	New York
Fulton, William James	Maryland
Ginsberg, William, B.A.	New York
Goldmann, Bernhard Alexander,	Pennsylvania
Gollick, William A., B.S.	New Jersey
Gordon, Herbert	New York
Greenbaum, Leonard Harry	Maryland
Groff, Morris	New York
Hatfield, Daniel S.	West Virginia
Halley, George Conrad	Idaho
Harman, Robert Dove, B.S.,	West Virginia
Heitsch, Herbert M.	Michigan
Hollister, William, B.S.	North Carolina
Horowitz, Herman Jack, B.S.,	New York
Huff, William, B.A.	Virginia
Ingram, David N.	Maryland
Keefe, George G., A.B.	Connecticut
Kerdasha, Geo.	New Jersey
Krager, John J., B.A.	Maryland
Kunkowski, Andrew	Maryland
Lang, Milton Charles	Maryland
Lawson, Lawrence Wells, B.A.,	West Virginia
Linke, Julian P.	New Jersey
McCoy, C. Glen, A.B.	West Virginia
Mercier, Albin Scott, A.B.	Maryland
Middlemiss, Wm. Robert, B.S.	Utah
Monninger, Arthur C.	Pennsylvania
Morgan, Edward Nicholas	New York
O'Connor, John Andrew, A.B.	Maryland
Noll, Louis, B.S.	Connecticut
Payne, John Edward, B.S.	West Virginia
Peters, H. Raymond, B.A.	Maryland
Pittman, Henry Lee	North Carolina
Pullen, Guy Foote	Conecticut
Rhodes, Bricey Milton	Florida
Rudisill, John David, A.B.,	North Carolina
Salzberg, Abraham	New York
Saporito, Archibald R.	New Jersey

GRADUATES—Continued.

Name	State
Sekerak, Arthur Joseph Francis,	Connecticut
Shannon, George Edmon	Maryland
Shapin, Sydney	New York
Shapiro, Louis Mendelsohn, B.A.,	Connecticut
Sternberg, Harry Melmuth	New York
Stovin, Joseph Samuel, Ph.B.	Connecticut
Stout, Philip David, B.A.	Tennessee
Sweet, Samuel Waterman, B.S.,	New York
Trynin, Aaron H., B.A.	New York
Warfield, Jr., John Ogle, A.B.,	Pennsylvania
Wilson, Thomas Norwood, A.B.	Maryland

PRIZEMEN.

University Prize—Gold Medal.....J. Ogle Warfield, Jr.
Certificate of Honor.....C. Glen McCoy.
Certificate of Honor.....H. Raymond Peters.
Certificate of Honor.....A. V. Buchness.
Certificate of Honor.....Elias Freidus.
Certificate of Honor.....T. Norwood Wilson.

In the third year the Jose L. Hirsch Memorial Prize of $50.00 was awarded to Henry V. Weinert for the best work in Pathology during the second and third years.

THE UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE

AND

COLLEGE OF PHYSICIANS AND SURGEONS.

As a result of the merger accomplished in 1915 the combined schools offer the student the abundant resources of both institutions, and, in addition, by earlier combination with the Baltimore Medical College, the entire equipment of three large medical colleges.

The School of Medicine of the University of Maryland is one of the oldest foundations for medical education in America, ranking fifth in point of age among the medical colleges of the United States. It was chartered in 1807, under the name of the College of Medicine of Maryland, and its first class was graduated in 1810. In 1812 the College was empowered by the Legislature to annex three other colleges or faculties, of Divinity, of Law, and of Arts and Sciences, and the four colleges thus united were "constituted an University by the name and under the title of the University of Maryland."

Established thus for more than a century, the School of Medicine of the University of Maryland has always been a leading medical college, especially prominent in the South and widely known and highly honored throughout the country.

The beautiful college building at Lombard and Greene Streets, erected in 1814-1815, is the oldest structure in America devoted to medical teaching. Here was founded one of the first medical libraries and the first medical college library in the United States.

Here for the first time in America dissecting was made a compulsory part of the curriculum; here instruction in Dentistry was first given (1837), and here were first installed independent chairs for the teaching of Diseases of Women and Children (1867) and of Eye and Ear Diseases (1873).

The School of Medicine was one of the first to provide for adequate clinical instruction by the erection in 1823 of its own hospital, and in this hospital intramural residency for the senior student was first established.

In 1913 juncture was brought about with the Baltimore Medical College, an institution of 32 years' growth. By this association the facilities of the School of Medicine were enlarged in faculty, equipment and hospital connection.

The College of Physicians and Surgeons was incorporated under the Legislative enactment in 1872, and established on Hanover Street in a building afterwards known as the Maternité, the first obstetrical hospital in Maryland. In 1878 union was effected with the Washington University School of Medicine, in existence since 1827, and the College was removed to its present location at Calvert and Saratoga Streets. By this arrangement, medical control of the City Hospital, now the Mercy Hospital, was obtained, and on this foundation in 1899 the present admirable college building was erected.

CLINICAL FACILITIES.

HOSPITALS AND DISPENSARIES.

UNIVERSITY HOSPITAL.

The University Hospital, which is the property of the University of Maryland, is the oldest institution for the care of the sick in the State of Maryland. It was opened in September, 1823, under the name of the Baltimore Infirmary, and at that time consisted of but four wards, one of which was reserved for eye cases. By successive additions this hospital was increased to more than fourfold its original accommodations, there being added to it a large clinical amphitheatre, a students' building for the accommodation of the thirty clinical assistants, and a nurses' building for the accommodation of the pupils of the Training School for Nurses. The yearly increase in the number of patients seeking admission to the hospital, however, more than kept pace with the increase in accommodations, and the Faculty therefore erected an entirely new and modern hospital of fully double the capacity of the former building.

The University Hospital is constructed of brick and Tennessee limestone in the Colonial style of architecture, fronting 175 feet upon Lombard Street, and about the same on Greene Street. It is supplied with the most modern and approved system of heat-

ing, ventilation, etc., and equipped with all modern requirements and conveniences for the care of the sick, and for the clinical instruction of the students of the University.

It is one of the largest and finest hospitals owned and controlled by any medical school in America, and in point of architectural beauty, convenience and completeness of arrangements and equipment compares favorably with other hospitals.

An important adjunct to the hospital is the postmortem building, which is constructed with special reference to the instruction of students in pathological anatomy.

The hospital is situated opposite the University building, so that the student loses no time in passing from the lecture halls to the clinical amphitheatre, dispensary and wards.

A portion of the hospital is used as a marine hospital for foreign seamen. The great importance of Baltimore as a shipping point brings into her harbor many vessels from all parts of the world, and the sick sailors who are cared for in the wards of the institution give the students an opportunity to observe a large variety of diseases. Another considerable portion of the building is used as a Municipal Hospital, and contains charity beds supported by the City of Baltimore. This department of the hospital is taxed to its utmost capacity to afford accommodations for the patients seeking admission.

Owing to its location, being the nearest hospital to the largest manufacturing district of the city, the University Hospital receives for treatment a very large number of accident cases of all kinds, both slight and serious. These cases, as well as patients suffering from the various diseases of our own climate, occupy the beds, and add greatly to the facilities of clinical teaching enjoyed by the school. The facilities for clinical instruction have been greatly enlarged by an appropriation by the State of Maryland for the support of free beds for patients from the various counties.

MERCY HOSPITAL.

The Sisters of Mercy first assumed charge of the Hospital at the corner of Calvert and Saratoga streets, then owned by the Washington University, in 1875. By the merger of 1878 the Hospital came under the control of the College of Physicians and Surgeons, but the Sisters continued their work of administering to the patients.

In a very few years it became apparent that the City Hospital, as it was then called, was much too small to accommodate the

rapidly growing demands upon it. However, it was not until 1888 that the Sisters of Mercy, with the assistance of the Faculty of the College of Physicians and Surgeons, were able to lay the cornerstone of the present Hospital. This building was completed and occupied late in 1889. Since then the growing demands for more space has compelled the erection of additions, until now there are accommodations for 351 patients.

In 1909 the name was changed from The Baltimore City Hospital to Mercy Hospital.

Mercy Hospital is located in the center of a city of 750,000 inhabitants, and is under the exclusive medical control of the College of Physicians and Surgeons. It adjoins the College building, and all surgical patients from the public wards are operated upon in the College operating rooms. This union of the Hospital and College buildings greatly facilitate the clinical teaching, as there is no time lost in passing from one to the other.

Mercy Hospital is the hospital of the United Railways and Electric Company of Baltimore City, and receives patients from the Baltimore & Ohio Railroad Company and from the Pennsylvania Railroad Company and its branches.

FRANKLIN SQUARE HOSPITAL.

The Franklin Square Hospital has a capacity of 112 beds. During the year ending December 31, 1920, 1,860 cases were treated in the hospital, and 1,896 patients were treated in the dispensary. Eleven hundred and forty-eight surgical operations were performed in the hospital.

LYING-IN HOSPITALS.

MATERNITY HOSPITAL OF THE UNIVERSITY OF MARYLAND.

This institution is also the property of the University, and under its exclusive control and direction, and is conducted with the special purpose of furnishing actual obstetrical experience to each member of the graduating class.

New accommodations have been provided in the general hospital, and the Maternity Department now offers better facilities than ever before, while the large increase in clinical material has made it possible to offer excellent opportunities for post-graduate work.

THE WEST END MATERNITY.

The West End Maternity adjoins the Franklin Square Hospital and furnishes an abundance of clinical material, which is under the control of the Faculty of Physic.

OUT-PATIENT CLINIC AND DISPENSARY.

In connection with the University Hospital an out-door obstetrical clinic is conducted, in which every case has careful prenatal supervision, is attended during labor by a graduate physician and graduate nurse—one senior student also being present—and is visited during the puerperium by the attending student and graduate nurse. Careful prenatal, labor and puerperal records are kept, making this work of extreme value to the medical student, not only from the obstetrical standpoint, but in making him appreciate the value of social service and public health work.

NUMBER OF PATIENTS.

During the year ending December 31, 1921, the number of patients treated in the Lying-In hospitals connected with the School was as follows:

Number of Confinements in Hospitals	371
Number of Confinements Out-Patient Department	801
Average number of cases seen by each student of the graduating class	15

THE MUNICIPAL HOSPITALS—BAY VIEW.

The clinical advantages of the University have been largely increased by the liberal decision of the Board of Supervisors of City Charities to allow the immense material of these hospitals to be used for the purpose of medical education. There are daily visits and clinics in medicine and surgery by the Staff of the hospitals. The autopsy material is unsurpassed in this country in amount, thoroughness in study, and the use made of it in medical teaching.

The Municipal Hospitals consist of the following separate hospitals:

The General Hospital, 160 beds.

The Hospital for Chronic Cases, 88 beds.

The Municipal Hospital for Tuberculosis, 190 beds.

City Detention Hospital for Insane, 450 beds.

THE JAMES LAWRENCE KERNAN HOSPITAL AND INDUSTRIAL SCHOOL OF MARYLAND FOR CRIPPLED CHILDREN.

This institution contains seventy-five beds for the active treatment of deformities. It is situated at "Radnor Park," a colonial estate of seventy-five acres at Hillsdale, within the western city limits, reached by trolley.

This institution has city, state, endowed and private beds and every modern facility for the treatment of orthopedic cases as well as a most beautiful park-like environment and farm, and is closely affiliated with the University of Maryland, for bed-side instruction.

ST. VINCENT'S INFANT ASYLUM.

The facilitiess of this institution, containing 250 infants and children, have been kindly extended to the University of Maryland by the Sisters of Charity. This large clinic enables this school to present to its students liberal opportunities for the study of diseases of infants and children.

INSTITUTIONS FOR THE TREATMENT OF THE INSANE AND FEEBLE-MINDED.

The Sheppard and Enoch Pratt Hospital for the Insane. This institution is one of the most modern hospitals for the treatment and care of the insane in this country. It is well endowed and its superintendent is R. M. Chapman, M. D., Professor of Psychiatry at the University of Maryland. In this hospital intensive treatment and study of mental diseases is carried on, a large number of the patients entering voluntarily. The students under the direction of Dr. Chapman and his assistants in a series of clinics are shown the early manifestations and the various stages of mental diseases, the methods of treatment, and their effects.

Mount Hope Retreat for the Insane. This hospital contains an average of 750 patients and is attended by Dr. Chas. G. Hill, Professor of Psychiatry of this faculty. Under the direction of Dr. Hill and his assistants the students are given opportunity for the study of large groups of patients showing all phases of various mental and nervous disorders.

DISPENSARIES.

The dispensaries associated with the University Hospital and the Mercy Hospital are organized upon a uniform plan in order that the teaching may be the same in each. Each dispensary has the following departments: Medicine, Surgery, Children, Eye and Ear, Genito-Urinary, Gynecology, Gastro-Enterology, Neurology, Orthopedics, Proctology, Dermatology, Throat and Nose, Tuberculosis and Psychiatry.

All students in their junior year work in the departments of Medicine and Surgery each day in one of the dispensaries.

All students in their senior year work in the special departments one hour each day.

Some idea of the value of these dispensaries for clinical teaching is shown by the number of patients treated. For the year 1921 about eighty-four thousand visits were made to the dispensaries.

In addition to these the Dental Department, situated upon the grounds of the University, conducts a daily clinic which is open to medical students.

University Hospital Dispensary Report, January 1 to December 31, 1921.
J. A. Skladowsky, M.D., Dispensary Physician.

Department.	*New Cases.*	*Old Cases.*	*Total.*
Dermatological	2,437	5,533	7,970
Children	1,912	10,142	12,054
Obstetrical	1,406	3,617	5,023
Surgical	1,292	3,425	4,717
Eye and Ear	1,090	2,273	3,363
Gynecological	1,842	3,990	5,832
Medical	1,066	2,264	3,330
Genito-Urinary	544	3,126	3,670
Neurological	169	1,574	1,743
Orthopedics	139	1,594	1,733
Gastro-Enterological	185	883	1,068
Nose and Throat	721	845	1,566
Tuberculosis	169	158	327
Proctological	85	127	212
Psychiatry	14	15	29
	13,071	39,566	52,637

Mercy Hospital Dispensary Report, January 1 to December 31, 1921.
Sister M. Helen, R.N., Directress.

Dispensary Clinics.	*New Cases.*	*Old Cases.*	*Total.*
Surgical	933	2,530	3,463
Medical	918	816	1,734
Gynecological	339	753	1,092
Eye and Ear	420	680	1,100
Nose and Throat	516	783	1,299
Neurological	179	543	722
Pediatric	85	61	146
Gastro-Intestinal	207	897	1,104
Dental	60	18	78
Proctological	42	24	66
Orthopedic	88	298	386
Dermatological	271	572	843
Genito-Urinary Surgery	1,681	17,910	19,591
	5,739	25,885	31,624

LABORATORIES.

ANATOMICAL LABORATORIES.

These laboratories are in charge of the Professor of Anatomy and his assistants. The University has recently built its own storage and embalming plant, which supplies an abundance of anatomical material. Anatomical material is furnished in abundance, free of charge.

LABORATORY OF EXPERIMENTAL PHYSIOLOGY.

This laboratory occupies the first floor of Gray Laboratory; it includes a large student laboratory, with capacity of forty students, a room completely equipped for mammalian experimentation, a stock-room, and an office for the professor in charge. Within the same building there is an animal room in which there is kept a constant supply of material for experimentation and demonstration. The laboratory is equipped with ample apparatus: there is a complete set of student apparatus available for each group of two students, while the special apparatus for laboratory experimentation and class-room demonstration is adequate for the needs of the courses.

LABORATORY OF BIOLOGICAL CHEMISTRY.

(See page 55.)

LABORATORY OF HISTOLOGY AND EMBRYOLOGY.

This laboratory is fully equipped for teaching Histology and Embryology.

There is a large collection of charts, specimens and apparatus used in teaching. The necessary equipment for the practice of technique is provided.

LABORATORIES OF PATHOLOGY AND BACTERIOLOGY.

The subject of special bacteriology is taught during a portion of the second year in a well equipped laboratory containing sterilizers, water baths, and other necessary equipment for this purpose.

The subject of histopathology is also taught during the second year in a properly equipped laboratory. The details concerning this work are described under the subject of Department of Pathology and Bacteriology.

The instruction in gross pathology is obtained during the third year by attendance upon the autopsies at the University Hospital and the Mercy Hospital, and special instruction in this subject is also given by demonstrations with a large amount of pathological material at the City Hospitals situated at Bay View. The subject of gross pathology is also taught in the third year by means of lectures and demonstrations to sections of the third year class and a special effort is made to apply this subject to the explanation of the symptoms and clinical signs of disease. The instruction in autopsy technique is also given personally to small groups of students.

LABORATORIES OF CLINICAL PATHOLOGY.

These laboratories are fully equipped for the study of practical laboratory work in its relationship to clinical medicine. Each student is supplied with a locker, containing sufficient apparatus for any ordinary examination.

The wards and out-patient departments of the hospitals furnish an abundance of material for study.

By reason of individual equipment, much work outside of class hours is expected of the student.

The class rooms are adequately lighted, and are conveniently situated for teaching purposes.

LIBRARIES.

The University Library, founded in 1813 by the purchase of the collection of Dr. John Crawford, now contains 14,610 volumes, a file of 58 current journals, and several thousand pamphlets and reprints. During the year ending December 31, 1921, 351 volumes were added. It is well stocked with recent literature, including books and periodicals of general interest. The home of the Library is Davidge Hall, a comfortable and commodious building in close proximity to the class rooms and the laboratories of the Medical Department. The Library is open daily during the year, except in August, for use of members of the Faculty, the students, and the profession generally.

The Library of the Medical and Chirurgical Faculty of Maryland, containing many thousands of volumes, is open to the students of the school. The leading medical publications of the world are received by the library and complete sets of many journals are available. Other libraries of Baltimore are the Peabody (181,000 volumes) and the Enoch Pratt Free Library (355,817 volumes).

All these libraries are open to the students of the school without charge.

The proximity of Washington places the immense libraries of the national capital at the disposal of the students of the school.

ANNUAL APPOINTMENTS.

On February first of each session the following annual appointments are made from among the graduates of the school:

TO THE UNIVERSITY HOSPITAL

Medical Superintendent.
Five Senior Residents, viz:
  Two Resident Surgeons.
  One Resident Physician.
  One Resident Gynecologist and Obstetrician.
  One Resident Pathologist.
Thirteen Junior Residents on a rotating service.

A number of students are appointed each year, at the close of the session, as Clinical Assistants in the University Hospital for the summer months.

TO THE MERCY HOSPITAL.

Chief Resident Physician.
Six Resident Surgeons.
Four Resident Physicians.
One Resident Gynecologist.
One Resident Obstetrician.

TO THE MARYLAND GENERAL HOSPITAL.

Medical Superintendent:
Four Senior Residents, viz:
One Resident Surgeon.
One Resident Physician.
One Resident Gynecologist.
One Resident Obstetrician.
Eight Junior Residents on a rotating service.

Each resident serves a term in every department, including the pathological laboratory and the Maryland Lying-in-Hospital.

Many appointments to other hospitals of Baltimore are made annually, to which graduates of this school are eligible.

REQUIREMENTS FOR MATRICULATION.

Admission to the course in medicine is by a completed Medical Student Certificate issued by the Registrar of the University of Maryland. This certificate is obtained from the Registrar on the basis of satisfactory credentials, or by examination and credentials, and is essential for admission to any class.

The requirements for the issuance of the Medical Student Certificate are:

(a) The completion of a standard four-year high school course or the equivalent, and in addition,

(b) Two years or sixty semester hours of college credits, including chemistry, biology, physics, and English.

Women are admitted to the Medical Department of this University.

(A) DETAILS OF THE HIGH SCHOOL REQUIREMENT.

1. Graduation from an accredited high school after pursuing a four-year course based upon an eight-year elementary course or its full equivalent; or

2. Successfully passing entrance examinations in the following subjects:

(*a*) *Required Eleven* (11) *Units.*

	Units.
English, 4 years	3
Elementary and Intermediate Algebra	1
Plane Geometry (first five books)	1
Two years of a foreign language	2
Two of the three sciences—Biology, Chemistry, Physics	2
American History and Civics	1
Ancient History or English History	1

(*b*) *Electives. Four* (4) *Units.*

(1) History and Political Science:	
Ancient History or English History	1
Mediaeval and Modern History	1 or ½
General History	1 or ½
Civics	½
Economics	½
(2) Language:	
French 2 years	2
German 2 years	2
Greek 2 years	2
Hebrew 2 years	2
Italian 2 years	2
Latin 1 or 2 years	1 or 2
Spanish 2 years	2
(3) Mathematics:	
Advanced Arithmetic	½
Advanced Algebra	1
Plane Trigometry	½
Solid Geometry	½
(4) Science:	
Physics, Biology or Chemistry	1
Physical Geography and Geology	1
Astronomy	½
Physiology and Hygiene	½
(5) Vocational and cultural subjects:	
Agriculture	1
Bookkeeping	1
Commercial Geography	½
Domestic Science	1
Drawing { Mechanical 1 and 2	½ each
Drawing { Freehand 1 and 2	½ each
Manual Training	1
Music	1
Stenography	1 or 2

One unit in any subject is the equivalent of work in that subject for five periods per week for a year of at least thirty-six weeks, periods to be not less than forty-five minutes in length. One unit is equivalent to 2 semester credits or 2 points.

(B) DETAILS OF THE COLLEGE REQUIREMENT.

a. The preliminary college course shall extend through two college sessions of at least thirty-two weeks each of actual instruction, including final examinations.

b. In excellence of teaching and in content, the work of this preliminary college course shall be equal to the work done in the freshman and sophomore years in standard colleges and universities.

c. This preliminary college course shall include courses in physics, chemistry, biology, and English, each course to embrace at least six, eight or twelve hours of work in each subject, as shown in the schedule following.

SCHEDULE OF SUBJECTS OF THE TWO-YEAR PRE-MEDICAL COLLEGE COURSE.

Sixty Semester Hours Required.

	Semester Hours.
REQUIRED COURSES:	
Chemistry (a)	12
Physics (b)	8
Biology (c)	8
English Composition and Literature (d)	6

COURSES STRONGLY URGED:

A modern foreign language.
Comparative vertebrate anatomy
Psychology
Social science

A semester hour is the credit value of sixteen weeks' work consisting of one lecture or recitation period per week, each period to be of not less than fifty minutes' duration net, at least two hours of laboratory work to be considered as the equivalent of one lecture or recitation period.

(a) CHEMISTRY. Twelve semester hours required, of which at least eight semester hours must be in general inorganic chemistry, including four semester hours of laboratory work. In the interpretation of this rule, work in qualitative analysis may be counted as general inorganic chemistry. The remaining four semester hours required shall consist of work in organic chemistry.

(b) Physics. Eight semester hours required, of which at least two must be laboratory work. This course presupposes a knowledge of plane trigonometry.

(c) Biology. Eight semester hours required, of which four must be laboratory work. This requirement may be satisfied by a course of eight semester hours in either general biology or zoology, or by courses of four semester hours each in zoology and botany, but not by botany alone. The requirement may be satisfied also by 6 semester hours of college biology, including three semester hours in laboratory work, if preceded by a year (one unit) of high school biology.

(d) English Composition and Literature. The usual introductory college course of six semester hours, or its equivalent, is required.

POST-GRADUATE STUDENTS.

Graduates in medicine desiring to take the work of the senior year without being candidates for the degree and, therefore, without examination, may receive a certificate of attendance on completing the full course satisfactorily.

The requirements for graduates in medicine admitted to the fourth year class as candidates for the degree of Doctor of Medicine are the same as those enforced against undergraduates admitted to advanced standing.

COMBINED COURSE IN ARTS AND MEDICINE.

Students who have completed the junior year in our School of Liberal Arts and who have made an approved choice of electives may, if they desire, do the entire work of the senior year in the medical school of the University. If they successfully complete the work of the first medical year they are graduated with their class with the degree of Bachelor of Arts.

By taking advantage of this privilege a man may complete the Undergraduate and Medical courses in seven years.

During three of these years or until he has completed the work of the junior class he is a resident student in the School of Liberal Arts at College Park, Maryland, and for four years he is a student in the Medical School in Baltimore.

At the end of the fourth year he receives the A.B. degree, and at the end of the seventh year the M.D. degree, but credit from

the Medical School cannot be accepted in subjects for which credit has already been given in the School of Liberal Arts.

The same privilege is allowed students of St. John's College, Annapolis, Maryland.

Special premedical courses have been arranged in our School of Liberal Arts at College Park and also by St. John's College at Annapolis.

RULES.

1. All students are required to take the spring examinations unless excused by the Dean. No student will be permitted to advance from a lower to a higher class with conditions.

2. Should a student be required to repeat any year in the course he must pay regular fees.

3. A student failing in final examinations for graduation at the end of the fourth year will be required to repeat the entire course of the fourth year and to take examinations in such other branches as may be required, should he be again permitted to enter the school as a candidate for graduation.

4. The general fitness of a candidate for graduation will be taken into consideration by the Faculty as well as the results of his examinations.

All the above rules, as well as the fees stated below, relate to the year ending June 9, 1923, only. The right is reserved to make changes in the curriculum, requirements for graduation, fees and any of the regulations whenever the faculty deem it expedient.

FEES.

Matriculation fee (paid each year)	$5.00
Tuition fee (each year) for residents of Maryland	250.00
Tuition fee (each year) for non-residents	300.00
Breakage fee (each year)	10.00
Special and re-examination fee	5.00

No fees are returnable, except unused portion of breakage fee.

Tuition fees are due and payable during October.

The above fees apply to all students who matriculate in this institution in any class for the session beginning October 2, 1922.

SPECIAL COURSES.

Anatomy	$75.00
Physiology	75.00
Pathology	75.00
Embryology	75.00
Bacteriology	75.00
Biological Chemistry	75.00
Pharmacology	75.00
Clinical Laboratory (four months)	100.00
X-Ray (four months)	150.00
Orthopedic Surgery (four months)	150.00
Genito-Urinary Diseases (four months)	150.00
Gynecology and Gynecological Pathology	100.00-150.00
Obstetrics, Out-door — 6 weeks	$25.00
Obstetrics, Out-door — 4 months	50.00
Out-Door and In-Door — 6 weeks	50.00
Out-Door and In-Door — 4 months	100.00
Surgery — Clinical Surgery, Operative Surgery, Surgical Pathology	By arrangement
Medicine	By arrangement
Laboratory Technician Course, including Bacteriology and Clinical Pathology	$150.00

If the courses are taken during holidays or if special supervision is desired or additional material required, the charge is made accordingly.

FACULTY PRIZE.

To stimulate study among the candidates for graduation, the Faculty offers a Gold Medal to the candidate who passes the best general examination. Certificates of Honor are awarded to the five candidates standing next highest.

JOSE L. HIRSCH MEMORIAL PRIZE.

A prize of $50.00 is given each year by Mrs. Jose L. Hirsch as a memorial to the late Dr. Jose L. Hirsch, formerly Professor of Pathology in this school, to the student in the third year who has done the most satisfactory work in Pathology during his second and third years.

SCHOLARSHIPS.

The Dr. Samuel Leon Frank Scholarship.

This scholarship, established by Mrs. Bertha Rayner Frank as a memorial of the late Dr. Samuel Leon Frank, an alumnus of this University, entitles the holder to exemption from the payment of the tuition fee of that year.

It is awarded by the Trustees of the Endowment Fund of the University each year upon nomination of the Medical Council, "to a medical student of the University of Maryland, who, in the judgment of said Faculty, is of good character and in need of pecuniary assistance to continue his medical course."

This scholarship is awarded to a second, third or fourth year student only, who has successfully completed one year's work in the medical course, and no student may hold such scholarship for more than two years.

The Charles M. Hitchcock Scholarships.

From a bequest to the School of Medicine by the late Charles M. Hitchcock, M.D., an alumnus of the University, two scholarships have been established which entitle the holders to exemption from payment of tuition fees for the year.

These scholarships are awarded annually by the Medical Council to students who have meritoriously completed the work of at least the first year of the course in medicine, and who present to the Faculty satisfactory evidence of good moral character and of inability to continue the course without pecuniary assistance.

The Randolph Winslow Scholarship.

This scholarship, established by Prof. Randolph Winslow, M.D., LL.D., entitles the holder to exemption from the payment of the tuition fee of that year.

It is awarded annually by the Trustees of the Endowment Fund of the University, upon nomination of the Medical Council, to "a needy student of the Senior, Junior, or Sophomore Class of the Medical School."

"He must have maintained an average grade of 85% in all his work up to the time of awarding the scholarship."

"He must be a person of good character and must satisfy the Medical Council that he is worthy of and in need of assistance."

THE LEO KARLINSKY SCHOLARSHIP.

This scholarship, established by Mrs. Ray Mintz Karlinsky as a memorial to her husband, the late Dr. Leo Karlinsky, an alumnus of the University, entitles the holder to exemption from the payment of the tuition fee of that year.

It is awarded annually by the Trustees of the Endowment Fund of the University, upon nomination of the Medical Council, to "a needy student of the Senior, Junior or Sophomore Class or the Medical School."

"He must have maintained an average grade of 85 per cent. in all his work up to the time of awarding the scholarship."

"He must be a person of good character and must satisfy the Medical Council that he is worthy of and in need of assistance."

The University Scholarships.

Two Scholarships are awarded by the University. One to a student of the Department of Liberal Arts appointed by the President; the other, which entitles the holder to exemption from payment of the tuition fee of the year, is awarded annually by the Medical Council to a student of the Senior Class who presents to the Medical Council satisfactory evidence that he is of good moral character and is worthy of and in need of assistance to complete the course.

The St. John's Scholarship.

This scholarship is awarded annually by the Medical Council upon the nomination of the President of St. John's College.

It entitles the holder to exemption from the payment of the tuition fee of that year.

Frederica Gehrmann Scholarship.

This scholarship was established by bequest of the late Mrs. Frederica Gehrmann and entitles the holder to exemption from payment of tuition fees. This scholarship is awarded to a second year student who at the end of the year passes the best practical examination in Anatomy, Physiology, Biological Chemistry, Pharmacology, Pathology, Immunology and Serology.

NOTICE TO STUDENTS.

The personal expenses of students are at least as low in Baltimore as in any large city in the United States. The following

estimates of student's personal expenses for the academic year of eight months have been prepared by students, and are based upon actual experience:

Items.	*Low.*	*Average.*	*Liberal.*
Books	$27	$48	$75
College Incidentals	20	20	20
Board, eight months	200	250	275
Room rent	64	80	100
Clothing and laundry	50	80	150
All other expenses	25	50	75
Total	$386	$529	$695

Students will save time and expense upon their arrival in the city by going direct to the School of Medicine on the University grounds, N. E. corner of Lombard and Greene Streets, where the Superintendent of Buildings, who may be found at his office on the premises, will furnish them with a list of comfortable and convenient boarding houses suitable to their means and wishes.

The Dean will, if desired, attend to the collection of checks and drafts for students.

For further information apply to

J. M. H. Rowland, M.D., *Dean,*
Lombard and Greene Streets.

ORGANIZATION OF THE CURRICULUM.

The following curriculum is the result of a thorough revision of teaching in this school in order to meet modern requirements. The multiplication of specialties in medicine and surgery necessitates a very crowded course and the introduction of electives will very soon be depended on to solve some of the difficulties.

The curriculum is organized under eleven departments:

1. Anatomy (including Histology and Embryology).
2. Physiology.
3. Biological Chemistry.
4. Pharmacology and Materia Medica.
5. Pathology.
6. Bacteriology.

7. Medicine (including Medical Specialties).
8. Surgery (including Surgical Specialties).
9. Obstetrics.
10. Gynecology.
11. Ophthalmology and Otology.

The instruction is given in four years of graded work.

Several courses of study extend through two years or more, but in no case are the students of different years thrown together in the same course of teaching.

The first and second years are devoted largely to the study of the structures and functions of the normal body, and laboratory work occupies most of the student's time during these two years.

Some introductory instruction in Medicine and Surgery is given in the second year. The third and fourth years are almost entirely clinical.

A special feature of instruction in the school is the attempt to bring together teacher and student in close personal relationship. In many courses of instruction the classes are divided into small groups and a large number of teachers insures attention to the needs of each student.

In many courses the final examination as the sole test of proficiency has disappeared and the student's final grade is determined largely by partial examinations, recitations and assigned work carried on throughout the course.

DEPARTMENT OF ANATOMY, INCLUDING HISTOLOGY AND EMBRYOLOGY.

C. L. Davis, M.D.....Professor of Anatomy
Tilghman B. Marden, A.B., M.D...Professor of Histology and Embryology
M. J. Hanna, M.D.....Associate in Anatomy
Howard B. McElwain, M.D.....Instructor in Anatomy
A. E. Goldstein, M.D.....Instructor in Histology

First Year. *Didactic.* Five hours each week for thirty-two weeks. Each day, preceding the laboratory period, a quiz and demonstration of from 40 to 50 minutes is held, covering the laboratory work for the day.

Laboratory. Eighteen hours each week for sixteen weeks. Twelve hours each week for sixteen weeks. This course includes a complete dissection of the human body, including the central nervous system. Abundance of good material is furnished and the student is aided in his work by competent demonstrators. Practical examinations are held at frequent intervals throughout

the session and each student will be held to strict account for material furnished him. Each student is furnished a skeleton and a deposit is required to insure its return in good condition at the end of the session.

Second Year. *Didactic.* Three hours each week for six weeks. Lectures, recitations and conferences.

Laboratory. Seven hours each week for six weeks. This course is devoted exclusively to Neuro-Anatomy. A complete dissection of the human brain is required. This is followed by a study of the fiber tracts of the spinal cord and brain, special models and preparations being used for this part of the course.

Histology.

First Year. Lectures, recitations and laboratory work, nine hours each week during first semester; three hours each week during second semester. The most important part of the work will be done in the laboratory, where each student will be provided with a microscope, apparatus, staining fluids and material necessary for the preparation of specimens for microscopical examination. An important aid to the course is the projection microscope which is used for the projection upon a screen of magnified images of the specimens actually used in the laboratory.

A large number of completely prepared sections are loaned to the students for study. This materially reduces the time otherwise required by the student for the preparation of sections and insures the best possible class of material for study.

Embryology.

Lectures, recitations and laboratory work; six hours each week during the second semester.

This course includes the study of the development of the chick, and the fundamental principles of mammalian embryology. In the laboratory, the hen's egg will be studied in its various stages of development, and sections of the chick at different periods of incubation will be made and studied microscopically. The latter part of the course will be devoted to the study of sections through different regions of a mammal.

Special emphasis is laid upon the development in the human.

DEPARTMENT OF PHYSIOLOGY.

Bartgis McGlone, A.B., Ph.D., F.A.C.P.....Professor of Physiology
Charles C. Conser, M.D.....Associate Professor of Physiology
Harold E. Wright, M.D.....Associate in Physiology
Firmadge K. Nichols, A.B., M.D.....Instructor in Physiology

The course in Physiology extends throughout the First and Second Years. It consists of a series of lectures, covering the field of human physiology, laboratory work, demonstrations, and frequent recitations. It is constantly in the mind of the department that this course is introductory to the study of medicine. The recitations cover the subject-matter of the lectures and the experiments performed in the laboratory.

First Year. 1. This course includes lectures and recitations upon the physiology of the blood and circulation, respiration, muscle and nerve, a portion of the central nervous system, and special senses, and such chemical and physical facts as are necessary for a proper understanding of the physiology taught. Two lectures and a recitation weekly throughout the year. Dr. McGlone, assisted by Dr. Wright.

Second Year. 2. *Didactic instruction.* During this year the remaining topics of physiology are covered by lectures and demonstrations. As in the first year frequent recitations will be held. The subject-matter includes the physiology of digestion and secretion, nutrition, metabolism, internal secretion, the central nervous system, and the eye and ear. Lectures, demonstrations, and recitations, three hours per week. Dr. McGlone, assisted by Dr. Conser.

3. *Experimental Physiology.* This is a laboratory course in the dynamics of muscle and nerve, studies in circulation and respiration, and physiology of the special senses. Apart from the acquisition of the facts of physiology, the student is taught to observe accurately, record carefully the results of his observations, and from these results draw an independent conclusion. He is also trained in the use of instruments which are of value to him in his clinical years. Three hours weekly throughout the year. Drs. McGlone, Conser and Wright.

4. *Elective Course in Physiological Technique.* This course is offered to Sophomores. Three hours per week. Second semester.

5. *Special Mammalian Physiology.* This is a laboratory course intended for advanced Laboratory students (optional) who may

wish to do special work in this line of physiology. Hours to be arranged. Dr. McGlone.

6. *Research in Physiology.* Properly qualified students will be admitted to the laboratory, which is well adapted for post graduate study and special research. Hours will be arranged to suit individuals. Dr. McGlone.

PHARMACOLOGY AND MATERIA MEDICA.

WILLIAM HENRY SCHULTZ, Ph.B., Ph.D.....Professor of Pharmacology
O. G. HARNE, A.B.....Associate Professor of Pharmacology

1. *Pharmacology.* Materia Medica and Prescription Writing required of all second year medical students during the first semester. Didactic, three hours a week; Laboratory, three hours a week.

This course is a prerequisite to all other courses in Pharmacology. Special emphasis is laid upon laboratory methods of observation and of intelligent note-taking. The essentials of prescription writing are taught and the student is introduced to the official pharmacopoeal preparations.

Not only is the student taught intelligently to use the United States Pharmacopea and the National Formulary, but the principles underlying the establishing of some of the most practical receipts are attacked from a didactic point of view.

2. *Systematic Pharmacology.* Required of all second year medical students. Three hours a week during the year, two lecture periods and one period for quiz and general conferences. Special care is taken to adapt the material to the practical needs of the medical student. Emphasis, however, is laid upon the pharmacological action of drugs as a pure science in order that a critical attitude toward drugs may be instilled. As the student masters the pharmacology of an important drug, its dosage, incompatibilities, and practical applications are driven home by systematic assignments of prescription writing, quizes, and conferences.

3. *Pharmacodynamics.*—Second semester. Required of all second year medical students. Prerequisite pharmacology 1. Laboratory, six hours a week.

The course runs parallel with pharmacology 2. Being a laboratory course it furnishes much didactic material used in the class conferences and lectures of pharmacology No. 2.

As the student's ability in handling biological material develops, experiments involving the more difficult technic of pharmacological experimentation are introduced. Special emphasis is laid upon the student's ability to handle live tissues and to make first-hand observations of a given drug's action, regardless of what standard text-books teach.

Class conferences, discussions, and the reading of assigned papers are used to supplement the laboratory and lecture. In these conferences the professor in charge attempts to summarize the class work as a whole, thereby properly coordinating it. It is by these means that the student acquires a critical and scientific attitude toward *official* and *new and non-official remedies*. The study is limited for the most part to such drugs as are known to have a definite pharmacological action and therapeutic value.

4. *Special Pharmacodynamics.* (Credit according to work done.) This course is open to advance students and special workers who desire advanced training, or who wish to pursue some special problem in Pharmacology or Toxicology. Hours to be arranged. Professor Schultz.

5. *Research in Pharmacology and Chemo-Therapy.* Properly qualified students are admitted to the laboratory with a view to their carrying on original investigations in drug action. The newly equipped laboratories are well adapted for post-graduate study and research in Pharmacology. Hours will be arranged to suit the applicant. Professor Schultz.

DEPARTMENT OF PATHOLOGY.

HUGH R. SPENCER, M.D. ..... Professor of Pathology
STANDISH MCCLEARY, M.D. ..... Professor of Pathology
SYDNEY CONE, M.D. ..... Associate Professor of Pathology
WM. J. CARSON, M.D. ..... Associate Professor of Pathology
E. D. WEINBERG, M.D. ..... Assistant in Pathology
A. E. GOLDSTEIN, M.D. ..... Assistant in Pathology

Courses of instruction in pathology are given during the second, third and fourth years. The courses are based on previous study of normal structures and functions and aim to outline the natural history of disease. The instruction is made as practical as possible that the student may become familiar with the appearance of organs and tissues in disease and may be able to correlate anatomical lesions with clinical symptoms and signs.

1. General Pathology and Histo-pathology. This course is given to second year students, it includes the study and demonstration of disturbances of the body fluids, disturbances of structure, nutrition and metabolism of cells, disturbances of fat, carbohydrate and protein metabolism, disturbances in pigment metabolism, inflammation and tumors. The laboratory course consists in a daily preliminary lecture, after which the student is given microscopical sections for study. Gross material from autopsy and from the museum is demonstrated in conjunction with the microscopical study.

2. Applied Pathology, including Gross Morbid Anatomy and Morbid Physiology. Third year students: In this course the special relationship of the gross and microscopical lesions to clinical symptoms and signs is emphasized. Fresh material from autopsy collected at the various hospitals is demonstrated and supplemented by a study of the respective autopsy protocols.

Special stress is laid upon the study of the infectious diseases and where possible the causative agents are studied.

3. Autopsies. Third year. Autopsy technic is taught to small groups of students by special instruction 24 autopsies performed at the various hospitals. Students are required to assist at the autopsy, study the organs, examine the microscopical sections, make cultures and prepare autopsy protocols.

4. Clinical Pathological Conference. Fourth year. Material from autopsies is studied with reference to the clinical history and gross and microscopical anatomy, the course is illustrated with sections of fixed material or lantern slides.

5. Advanced Work in Pathology. Properly qualified students will be permitted to carry out advanced or research work along the lines of experimental pathology. Adequate space and equipment is available.

DEPARTMENT OF BACTERIOLOGY AND IMMUNOLOGY.

Wm. Royal Stokes, M.D., Sc.D.....Professor of Bacteriology
Frank W. Hachtel, M.D.....Associate Professor of Bacteriology
Louis F. Krumrein, M.D.....Instructor in Bacteriology
Henry F. Buettner, M.D.....Instructor in Bacteriology
J. A. F. Pfeiffer, M.D.....Instructor in Bacteriology

Instruction in special bacteriology is given in the laboratory to the students of the first year during one semester. This includes the various methods of sterilization and preparation of culture

material, the study of pathogenic microorganisms of vegetable origin, and the bacteriological study of water, milk, sewage, and other such materials. The bacteriological diagnosis of the infectious diseases is also included in this course. Animal inoculations and autopsies are performed in connection with the bacteria studied and diagnoses by means of serum reactions are also given. In the third year the various animal parasites are demonstrated and the diseases produced by these organisms studied by means of gross specimens, stained sections and lantern slides. The principles of general bacteriology are taught by lectures given twice a week during one semester. These lectures include the structure of bacteria, the various facts concerning their biological properties, infection and immunity.

The general principles of immunology are described in lectures to the second year class throughout the first semester and practical experiments in immunology are demonstrated to this class in laboratory sessions of three hours each, held twice weekly throughout the first semester.

DEPARTMENT OF BIOLOGICAL CHEMISTRY.

H. Boyd Wylie, M.D.....Professor of Biological Chemistry
Frank N. Ogden, M.D.....Instructor in Biological Chemistry

Instruction in Biological Chemistry comprises laboratory work, lectures and conferences.

Laboratory Work. The first few weeks of the laboratory work consists in the preparation of normal and standard solutions which requires careful use of the analytical balance and of volumetric glassware. The knowledge gained in this preliminary period is then put to practical application in the making of quantitative determinations of nitrogenous compounds of known nitrogen content. Daily reports are required of each student in this work and a careful record is kept of his ability.

At the end of this period there follows a long course of laboratory work on the chemistry and metabolism of the carbohydrates, proteins and lipins. Each type of foodstuff is considered separately; first its chemistry is studied and then its metabolism. In following this arrangement the usual long stretch of the pure chemistry of all of the foodstuffs is eliminated.

Experiments on the tissues of the body then follow, and precede the final group of experiments on bile, milk and those which relate to the more thorough study of blood and urine.

Throughout the laboratory work the older methods have been excluded, and those tests which are a duplication of the same principle have been reduced to a minimum. Qualitative tests include only those which are representative and essential. A great deal of stress is laid upon the importance of quantitative and metabolic experiments, so that this type of work constitutes the major part of the laboratory experiments in this course.

Lectures. The lectures precede or run parallel to the laboratory work, as far as possible. The first lectures deal with laboratory technic, the chemistry of solutions and indicators, osmosis, the chemistry of colloids, catalysis, reversible reactions, the law of mass action and a discussion of enzymes. The lectures which follow refer to the chemistry and metabolism of carbohydrates, proteins and lipins. Relatively less time is given to the discussion of the chemistry of the various foodstuffs and more to the discussion of their metabolism. In these lectures the fundamental principles (biological, physical and chemical) are emphasized, however, not to the exclusion of the correlation of the normal and abnormal metabolism.

The final lectures relate to discussions of the secretions, including milk, and of the blood and urine, including the metabolism of inorganic substances, salts and water.

Conferences. From time to time conferences are held for the purpose of summarizing the work completed; to discuss any problems that have arisen during the course, and to review articles in journals which have a bearing on the current laboratory or lecture work.

During the second semester sections are sent into the hospital for the purpose of collecting data on special metabolic or associated conditions. This data will be presented to the class as a whole and later discussed at a special clinic conducted in the hospital by a member of the Department of Medicine in collaboration with this department.

CLINICAL INSTRUCTION.

DEPARTMENT OF MEDICINE.

Maurice C. Pincoffs, S.B., M.D.....Professor ofMedicine
Gordon Wilson, M.D.....Professor of Medicine
Cary B. Gamble, Jr., A.M., M.D.....Professor of Medicine
Standish McCleary, M.D....Professor of Pathology and Clinical Medicine
Jos. E. Gichner, M.D.....Professor of Clinical Medicine.
Charles W. McElfresh, M.D.....Professor of Clinical Medicine
G. Carroll Lockard, M.D.....Professor of Clinical Medicine
Harvey G. Beck, M.D., Sc.D.....Professor of Clinical Medicine
Hubert C. Knapp, M.D.....Associate Professor of Medicine
Paul W. Clough, B.S., M.D.....Associate Professor of Medicine
C. C. W. Judd, A.B., M.D.....Associate Professor of Medicine
Sydney R. Miller, M.D.....Associate Professor of Medicine
John Lutz, A.B., M.D.....Associate Professor of Medicine
H. D. McCarty, M.D.....Associate Professor of Clinical Medicine
Wm. H. Smith, M.D.....Associate Professor of Clinical Medicine
H. J. Maldeis, M.D.....Associate Professor of Medical Jurisprudence
S. Lloyd Johnson, A.B., M.D.....Assistant Professor of Medicine
R. C. Metzel, M.D.....Associate in Clinical Medicine
W. I. Messick, M.D.....Associate in Clinical Medicine
George McLean, M.D.....Associate in Medicine
Harry M. Stein, M.D.....Associate in Medicine
L. A. M. Krause, M.D.....Associate in Medicine
E. E. Mayer, M.D.....Instructor in Medicine
D. Corbin Streett, M.D.....Instructor in Medicine
C. C. Habliston, M.D.....Instructor in Medicine
Martin Sloan, M.D.....Instructor in Medicine
H. R. Lickle, M.D.....Instructor in Medicine
J. W. Martindale, M.D.....Instructor in Medicine
C. R. Goldsborough, A.M., M.D.....Instructor in Medicine
Horace Byers, M.D.....Assistant in Medicine
B. B. Brumbaugh, M.D.....Assistant in Medicine
Herman Seidel, M.D.....Assistant in Medicine
Wetherbee Fort, M.D.....Assistant in Medicine

GENERAL OUTLINE.

Second Year.

Introduction to clinical medicine.

(a) Introductory physical diagnosis.
(1 hour a week, first semester.)
(2 hours a week, second semester.)

(b) Clinical lectures on pathological physiology.
(1 hour a week, second semester.)

Third Year.

I. The methods of examination (13 hours a week).
(a) History taking.
(b) Physical diagnosis.
(c) Clinical pathology.
These subjects are taught and practiced in the out-patient department and in the clinical laboratory.

II. The principles of medicine (7 hours a week).
(a) Lectures, clinics and demonstrations in general medicine, neurology, pediatrics and preventive medicine.

III. The principles of therapeutics (2 hours a week).
(a) Lectures and demonstrations in general therapeutics, physical therapeutics and materia medica.

Fourth Year.

The practice of medicine.

I. Clinical clerkship on the medical wards.
(26 hours a week for ten weeks.)
(a) Responsibility, under supervision, for the history, physical examination, laboratory examinations and progress notes of assigned cases.
(b) Ward classes in general medicine, the medical specialties, and therapeutics.

II. Clinics in general medicine and the medical specialties (6 hours a week).

III. Dispensary work in the medical specialties.

IV. Clinical pathological conferences (1 hour a week).

Medical Dispensary Work.

The medical dispensaries of both the Mercy and the University Hospitals are utilized for teaching in the third year. Each student spends two periods a week of two hours each in dispensary work. The work is done in groups of four to six students under

an instructor. Systematic history taking is especially stressed. Physical findings are demonstrated. The student becomes familiar with the commoner acute and chronic disease processes.

Physical Diagnosis.

Second Year. Didactic lectures and practical demonstrations in the medical topography and the physical conditions in health. Instruction and practice in systematic physical examination.

Third Year. The class is divided into small groups, and each section receives instruction for four hours a week for the entire session in the medical dispensaries of the hospitals. The large clinical material of the dispensaries and hospitals is utilized to give each student the opportunity to familiarize himself with the common types of bodily structure, with the normal variations in physical signs and with the physical signs of the chief pulmonary, circulatory and abdominal diseases.

Tuberculosis.

During the third year in connection with the instruction in physical diagnosis a practical course is given twice weekly to sections of the class at the Municipal Tuberculosis Hospital. Stress is laid upon the recognition of the physical signs of the disease, as well as upon its symptomatology and gross pathology.

Dr. McCarty and associates.

Therapeutics.

Third Year. General therapeutics and materia medica are taken up and an effort is made to familiarize the student with the practical treatment of disease. The special therapy of the chief diseases is then reviewed. Two hours a week. Dr. Lockard.

The principles of physical therapy are taught in a special lecture and demonstration course consisting of six one-hour periods. Dr. Gichner.

Fourth Year. Special consideration is given to the practical application of therapeutic principles in bedside teaching and the chief therapeutic methods are demonstrated.

CLINICAL PATHOLOGY.

JOHN LUTZ, M.D.....Associate Professor of Medicine
H. J. MALDEIS, M.D.....Associate Professor of Medical Jurisprudence
L. A. M. KRAUSE, M.D.....Associate in Medicine
C. R. GOLDSBOROUGH, M.D.....Instructor in Medicine

During the third year the student is thoroughly drilled in the technique of the usual clinical laboratory work, so that he is able to perform all routine examination which may be called for during his fourth year, in connection with the work in the wards and dispensary.

The practical work is supplemented by a series of didactic lectures and demonstrations in which the entire teaching staff of the department takes an active part. The microscopical and chemical study of blood, exudates and transudates, gastric juice, spinal fluid, feces and urine are successively taken up, and special attention directed to the clinical significance of the findings.

Clinical parasitology from the standpoint of the infecting agent and the carrier, is given careful consideration.

The entire course is thoroughly practical. Each student is provided with a microscope, blood counters and hemoglobinometer for his exclusive use, and every two students with a special laboratory outfit for all routine purposes.

During the fourth year the student applies what he has learned during the preceding year in the laboratories of the various affiliated hospitals. He is also supplied with a laboratory outfit which is sufficiently complete to enable him to work independently of the general equipment. Special instructors are available during certain hours to give necessary assistance and advice.

GASTRO-ENTEROLOGY.

JULIUS FRIEDENWALD, A.M., M.D.....Professor of Gastro-Enterology
T. FRED. LEITZ, M.D.....Clinical Professor of Gastro-Enterology
J. HARRY ULLRICH, M.D.....Associate in Gastro-Enterology
THEODORE H. MORRISON, M.D.....Associate in Gastro-Enterology
MAURICE FELDMAN.....Instructor in Gastro-Enterology
JOSEPH SINDLER, M.D.....Assistant in Gastro-Enterology
Z. MORGAN, M.D.....Assistant in Gastro-Enterology
M. S. KOPPELMAN, M.D.....Assistant in Gastro-Enteroogy
M. CHIDECKEL, M.D.....Assistant in Gastro-Enterology
N. J. DAVIDOV, M.D.....Assistant in Gastro-Enteroogy
ALBERT EISENBERG, M.D.....Assistant in Gastro-Enterology
PAUL F. WIEST, M.D.....Assistant in Gastro-Enterology

Fourth Year. Clinic recitations and demonstrations to the class for one hour a week throughout the session. Dispensary instruction to small groups throughout the entire session. Practical instruction in the differential and clinical diagnosis and demonstrations of the newer methods of diagnosis in gastro-intestinal affections.

PSYCHIATRY.

R. M. Chapman, M.D. ..... Professor of Psychiatry
G. F. Sargent, M.D. ..... Associate in Clinical Psychiatry
Paul J. Ewerhardt, M.D. ..... Associate in Psychiatry
George E. Clarke, M.D. ..... Associate in Psychiatry

Fourth Year. This subject is taught by means of didactic and clinical lectures. Abundant material is at the command of this department in the various institutions which are presided over by the teachers in psychiatry. The student is brought into contact with the early manifestations of mental disease in the dispensaries of the University and Mercy Hospitals, and in a series of clinics opportunity is afforded to observe the course and later manifestations of the disease, often in these same patients, at the Sheppard-Enoch Pratt Hospital, Mount Hope Retreat, and City Detention Hospital.

PEDIATRICS.

John Ruhrah, M.D. ..... Professor of Pediatrics
Charles L. Summers, M.D. ..... Professor of Pediatrics
Edgar B. Friedenwald, M.D. ..... Clinical Professor of Pediatrics
C. Loring Joslin, M.D. ..... Associate in Pediatrics
W. H. Ingram, M.D. ..... Instructor in Pediatrics
J. F. Hawkins, M.D. ..... Assistant in Pediatrics
Howard H. Warner, M.D. ..... Assistant in Pediatrics
John Houff, M.D. ..... Assistant in Pediatrics
B. J. Ferry, M.D. ..... Assistant in Pediatrics
William J. Todd, M.D. ..... Assistant in Pediatrics
John H. Traband, M.D. ..... Assistant in Pediatrics
William F. Geyer, M.D. ..... Assistant in Peidatrics
George E. Wells, M.D. ..... Assistant in Pediatrics
F. B. Smith, M.D. ..... Assistant in Pediatrics
P. Artigiani, M.D. ..... Assistant in Pediatrics
I. J. Feingart, M.D. ..... Assistant in Pediatrics

Third Year. Instruction during the third year consists of one lecture each week in which infant feeding and the most important diseases of infancy and childhood are especially emphasized. Drs. Ruhrah and Summers.

Fourth Year. During this year a weekly clinical lecture is given where the character of disease is fully demonstrated and the students are afforded an opportunity for personal examination of all cases. In addition ward classes are held weekly where bedside instruction is given. A section of the class also works daily in the Babies' and Children's Clinic. This clinic, which is under the direction of Dr. Summers, has an attendance of more than one thousand monthly, and offers an excellent opportunity for study and observation of a wide variety of cases under competent instructors.

Instruction is also given in the Children's Dispensary at the Mercy Hospital.

NEUROLOGY.

Irving J. Spear, M.D.....Professor of Neurology
Andrew C. Gillis, A.M., M.D.....Professor of Neurology
G. M. Settle, A.B., M.D.....Associate Professor of Neurology
Benjamin Pushkin, M.D.....Instructor in Neurology
Milton Levy, M.D.....Instructor in Neurology
J. A. Skladowsky, M.D.....Assistant in Neurology

Third Year. Lectures and recitations two hours each week to entire class throughout one semester. This course comprises the study of the anatomy and physiology of the nervous system, the method of neurological examination, and relationship of signs and symptoms to pathological conditions. The material at the University and Mercy Hospitals is available.

Clinical Conference, one hour each week to the entire class. This subject is taught at the University and Mercy Hospitals. All cases presented at these clinics are carefully examined; complete written records are made by the students who demonstrate the cases before the class. These cases are usually assigned one or two weeks before they are presented, and each student in the class must prepare one or more cases during the year.

Ward Class Instruction. In small sections at the University and Mercy Hospitals. In these classes the students come in close personal contact with the cases in the wards under the supervision of the instructor.

Dispensary Instruction. Small sections are instructed in the dispensaries of the University and Mercy Hospitals four afternoons each week. In this way students are brought into contact with nervous diseases in their earlier as well as later manifestations.

HYGIENE AND PREVENTIVE MEDICINE.

C. Hampson Jones, M.D., C.M.....Professor of Hygiene and Public Health

Third Year. Two lectures a week throughout the session. The lectures will encompass the fundamental subjects: Air, Water, Soil, Food, Disposal of Wastes, Communicable Diseases, State and Federal Public Health Laws, and Industrial Diseases.

MEDICAL JURISPRUDENCE.

H. J. Maldeis, M.D.....Associate Professor of Medical Jurisprudence
Baltimore City Post Mortem Physician.

Third Year. One hour each week for one semester.

Inasmuch as Medical Jurisprudence teaches the application of every branch of medical knowledge to the needs of law, civil or criminal, this course embraces the following:—Proceedings in criminal and civil prosecution; medical evidence and testimony; identity in its general relations; sexual abnormalities; personal identity; impotence and sterility; rape; criminal abortions; signs of death; wounds in their medico-legal relations; death, natural and homicidal; malpractice; insanity and medico-legal autopsies.

DEPARTMENT OF SURGERY.

Arthur M. Shipley, Sc.D., M.D.....Professor of Surgery
Archibald C. Harrison, M.D.....Professor of Surgery
Alexius McGlannan, A.M., M.D.....Professor of Surgery
Joseph H. Branham, M.D.....Professor of Clinical Surgery
Nathan Winslow, A.M., M.D.....Clinical Professor of Surgery
Page Edmunds, M.D.....Clinical Professor of Industrial Surgery
Walter D. Wise, M.D.....Clinical Professor of Surgery
Joseph W. Holland, M.D.....Clinical Professor of Surgery
J. C. Lumpkin, M.D.....Clinical Professor ofSurgery
William W. Requardt, M.D.....Associate Professor of Surgery
H. C. Blake, M.D.....Associate Professor of Clinical Surgery
Frank S. Lynn, M.D.....Associate Professor of Surgery

ELLIOTT H. HUTCHINS, A.M., M.D.....Associate Professor of Surgery
THOMAS R. CHAMBERS, A.M., M.D.....Associate Professor of Surgery
R. W. LOCHER, M.D..Associate Professor of Operative and Clinical Surgery
E. H. HAYWARD, M.D.....Associate in Surgery
FRANK J. KIRBY, M.D.....Associate in Surgery
CHARLES REID EDWARDS, M.D.....Associate in Surgery
F. L. JENNINGS, M.D.....Instructor in Surgery
A. M. EVANS, M.D.....Instructor in Surgery
E. P. SMITH, M.D.....Instructor in Operative Surgery
H. M. FOSTER, M.D.....Instructor in Surgery
E. S. JOHNSON, M.D.....Instructor in Surgery
F. X. KEARNEY, M.D.....Assistant in Surgery
G. W. BOWDEN, M.D.....Assistant in Surgery
DWIGHT MOHR, M.D.....Assistant in Surgery
AMOS HUTCHINS, M.D.....Assistant in Surgery
C. A. REIFSCHNEIDER, M.D.....Assistant in Surgery
WM. R. GERAGHTY, M.D.....Assistant in Surgery
S. DEMARCO, M.D.....Assistant in Surgery
O. H. LLOYD, M.D.....Assistant in Surgery
CLYDE MARVEL, M.D.....Assistant in Surgery
EVERARD BRISCOE, M.D.....Assistant in Surgery
I. O. RIDGELY, M.D.....Assistant in Surgery
H. B. MCELWAIN, M.D.....Assistant in Surgery
C. F. HORINE, M.D.....Assistant in Surgery

The teaching is in the Anatomical Laboratory and the dispensaries, wards, clinical laboratories and operating rooms of the University and Mercy Hospital, and in the wards and dead-house of the Municipal Hospitals at Bay View.

Instruction is given by means of lectures, recitations, dispensary work, bedside instruction, ward-classes, and clinics. The work begins in the second year, and continues throughout the third and fourth years.

SECOND YEAR.

Topographic and Surgical Anatomy, 10 hours a week for the first semester. The course is designed to bridge the gap between anatomy in the abstract, and clinical anatomy as applied to the study and practice of medicine and surgery.

The teaching is done in the anatomical laboratory, and students are required to demonstrate all points, outlines, and regions on the cadaver. Underlying regions are dissected when necessary to bring out outlines and relation of structures. Didactic lectures two hours weekly, augmented by demonstrations with specimens,

charts, and cross-sections. Dr. Holland, assisted by Drs. Reifschneider, Foster, J. Mason Hundley, Jr., and Reitzel.

Surgical Technique. The course includes history taking, first aid treatment, demonstration of use of tourniquet and other emergency appliances and surgical dressings, bandages, plaster, adhesive plaster, suture material, solutions; their preparation and use.

It includes also inflammation and suppuration, ulcers, gangrene, fistulae, sinuses, non-operative therapeusis, asepsis and antisepsis, the study of circulatory and respiratory failure, preparation of patients, dummy operations and written description of operation, splints, bed frames, bone plates, grafts and local anaesthesia.

Lectures and conferences, two hours a week for one semester. Dr. Edwards.

Third Year.

General and Regional Surgery. Principles of surgery and general surgery, three hours a week throughout the year to the entire class, lectures, recitations and clinics. Dr. Shipley.

The class is divided into groups and receives instruction in history-taking, gross pathology, and surgical diagnosis—at the bedside and in the deadhouse of the Municipal Hospitals at Bay View. Drs. Shipley and Lynn.

Operative Surgery. Instruction is given in operative surgery upon the cadaver and on dogs. The class is divided into sections, and each section is given practical and individual work under the supervision of the instructors. Dr. Frank S. Lynn, assisted by Drs. Nathan Winslow, Locher, Hayward, E. S. Johnson, Edwards, Foster, Reifschneider, Geraghty, Demarco, Kearney, Briscoe and Horine.

Fractures and Dislocations. Twenty-four hours to entire class. This course consists of instruction in the various forms of fractures and dislocations and their treatment, and serve as a preparatory course for clinical work. Dr. Wise.

Surgical Dispensary. Under supervision, the student takes the history, makes the physical examination, attempts the diagnosis, and, as far as possible, carries out the treatment of the ambulatory surgical cases in the University and Mercy Hospitals. Mercy Hospital—Drs. Amos Hutchins, Mohr, A. M. Evans, Wheaton, Kearney, Lloyd and Marvel. University Hospital—

Drs. Holland, Lynn, Hayward, Edwards, E. S. Johnson and Foster.

Fourth Year.

Clinics. A weekly clinic will be given at the Mercy and University Hospitals to one-half the class throughout the year. As far as possible this is a diagnostic clinic. Mercy Hospital—Drs. Harrison and McGlannan. University Hospital—Dr. Shipley.

Surgical Pathology. A weekly exercise of one hour at Mercy Hospital for one semester, at which specimens from the operating-room and museum are studied in the gross and microscopically, in relation with the case history. Dr. McGlannan.

Industrial Surgery. Operative and post-operative treatment of accident cases, with instructions as to the relationship between the state, the employee, and employer, and the physician's duty to each. One hour a week to sections of the class throughout the year. Dr. Edmunds.

Clinical Clerkship. The personal study of assigned hospital patients, under supervision of the staffs of University and Mercy Hospitals, history taking, and physical examinations of patients, laboratory examinations, attendance at operations and observation of post-operative treatment.

Ward Classes. Ward class instruction in small groups, will consist of ward rounds, surgical diagnosis, treatment and the after care of operative cases. Mercy Hospital—Drs. Harrison, McGlannan, Wise, Elliott Hutchins, Evans and Locher. University—Drs. Shipley, Holland, Edmunds, Lynn and Edwards.

ANAESTHESIA.

Third Year.

Lectures on the history of anaesthesia, general physiology of inhalation of anaesthetics, special physiology of each anaesthetic, methods of administration, inhalation, colonic, intravenous, complications and preventive methods, including artificial respiration and post-anaesthesia treatment of patients. One hour weekly for one semester. Dr. S. Griffith Davis.

Anaesthesia in obstetrics, one lecture. Dr. J. McF. Bergland.

Fourth Year.

During the clinics and operations before small groups, each student will be required to administer anaesthetic under the direc-

tion of an instructor. University Hospital—Drs. Queen and Moore. Mercy Hospital—Drs. Kearney and Ridgely.

DERMATOLOGY.

T. Caspar Gilchrist, M.R.C.S., L.S.A., M.D.....Professor of Dermatology
Melvin Rosenthal, M.D.....Associate Professor of Dermatology
John R. Abercrombie, A.B., J.D.....Associate Professor of Dermatology
Harry M. Robinson, M.D.....Associate in Dermatology
Joseph E. Gately, M.D.....Instructor in Dermatology
John A. Buchness, M.D.....Assistant in Dermatology

Clinical conference one hour each week to entire class. This course will consist of demonstrations of the common diseases of the skin. Dr. Gilchrist.

Dispensary instruction, University Hospital, Mondays, Wednesdays and Fridays in the diagnosis and treatment of the common skin diseases. Dr. Abercrombie. Dispensary instruction, Mercy Hospital, Drs. Rosenthal, Robinson and Gately.

ORTHOPAEDIC SURGERY.

R. Tunstall Taylor, A.B., M.D.....Professor of Orthopedic Surgery
Albertus Cotton, A.M., M.D.....Professor of Orthopedic Surgery
Compton Riely, M.D.....Clinical Professor of Orthopedic Surgery
W. H. Daniels, M.D.....Demonstrator in Orthopedic Surgery
W. Arthur Darby, M.D.....Demonstrator in Orthopedic Surgery
H. L. Wheeler, M.D.....Demonstrator in Orthopedic Surgery

In this course didactic, clinical, bedside and out-patient instruction will be given. This instruction is provided in the University Hospital Amphitheater and Dispensary, Mercy Hospital and Dispensary and Kernan Hospital and Industrial School for Crippled Children at "Radnor Park," and in the Dispensary of same at 620 West Lombard Street.

Lectures, clinics and quizzes will be held at each of the hospitals once a week. In addition, a weekly bedside clinic will be held for small sections of the class at "Radnor Park."

The course will cover instruction in special methods and instruments required in this surgical specialty, including X-Ray technique; Wolff's law; tuberculosis of bones and joints; deformities of the feet; non-tuberculous deformities of the feet and joints; the paralyses; the bursal, tendinous and muscular conditions producing orthopedic affections; rickets; scurvy; osteoma-

lacia; chondrodystrophies; wry-neck and the use and application of orthopedic apparatus.

ROENTGENOLOGY AND RADIOTHERAPY.

HENRY J. WALTON, M.D.....Professor of Roentgenology
ALBERTUS COTTON, A.M., M.D.....Professor of Roentgenology
JOHN EVANS, M.D.....Associate Professor of Roentgenology
CHARLES REID EDWARDS, A.B., M.D.....Associate in Radio Therapy

Instruction is given in the history, physics, and practical application of Roentgen Rays and Radium. Especial effort is made to demonstrate the use of the Roentgen Ray in diagnosis by instruction in both fluoroscopy and plate reading. The sections of the fourth year class receive two hours instruction each week.

The student is also taught the practice, application of Radium and Roentgen rays as therapeutic agents. In the X-ray laboratory and in the hospital wards students are shown the use of these agents in the treatment of disease.

DISEASES OF THE THROAT AND NOSE.

EDWARD A. LOOPER, M.D.,
Clinical Professor of Diseases of the Throat and Nose
FRANK DYER SANGER, M.D....Professor of Diseases of the Throat and Nose
GEORGE W. MITCHELL, M.D.,
Associate Professor of Diseases of the Throat and Nose
GEORGE MURGATROYD, M.D....Associate in Diseases of the Throat and Nose
W. F. QUINN, M.D.....Associate in Diseases of the Throat and Nose
FRANK B. ANDERSON, M.D...Instructor in Diseases of the Throat and Nose
R. F. MCKENZIE, M.D.....Assistant in Diseases of the Throat and Nose

THIRD YEAR. Clinical Lectures. One hour each week throughout the session. Drs. Looper and Sanger.

FOURTH YEAR. Dispensary instruction daily in small sections at the University and Mercy Hospitals. Ward classes one hour each week at the University and Mercy Hospitals.

GENITO-URINARY DISEASES.

ANTON G. RYTINA, A.B., M.D.....Professor of Genito-Urinary Diseases
HARRIS GOLDMAN, M.D.....Associate in Genito-Urinary Diseases
W. H. TOULSON, M.D.....Associate in Genito-Urinary Diseases
A. J. GILLIS, M.D.....Instructor in Genito-Urinary Diseases
WILFORD A. COUNCELL, M.D.....Instructor in Genito-Urinary Diseases

AMOS F. HUTCHINS, M.D.....Assistant in Genito-Urinary Diseases
L. K. FARGO, M.D.....Assistant in Genito-Urinary Diseases
AUSTIN H. WOOD, M.D.....Assistant in Genito-Urinary Diseases
HOWARD L. TOLSON, M.D.....Assistant in Genito-Urinary Diseases

Instruction in Genito-Urinary Surgery is given to the members of the senior class, from both a practical and didactic standpoint. The course includes everything pertaining to modern urology, such as urethroscopy, cystoscopy, ureter catheterization, renal functional tests, X-ray, pyelography, blood urea estimations, etc. The teaching consists of clinics in the amphitheatre, ward rounds, and attendance by members of the senior class upon out-patients in the dispensary. In the latter department there were about 30,000 visits made during the past year. Ample facilities are afforded the students to see a large variety of every type of venereal disease. They are first instructed in the method of taking a genito-urinary history, are shown the technique of urethroscopy, cystoscopy, urethral instrumentation, rectal massage, demonstrations of the spirocheta pallida, and administration of Salvarsan.

DISEASES OF THE COLON AND RECTUM.

G. MILTON LINTHICUM, A.M., M.D.,
Professor of Diseases of Rectum and Colon
CHARLES F. BLAKE, M.D.....Professor of Diseases of Rectum and Colon
J. DAWSON REEDER, M.D.,
Associate Professor of Diseases of Rectum and Colon

FOURTH YEAR. This course is for instruction in diseases of the Colon, Sigmoid Flexture, Rectum and Anus, and will cover the essential features of the Anatomy and Physiology of the large intestine, as well as the various diseases to which it is subject. The importance of diseased conditions and malpositions of the intestines, in relation to systemic disturbances, will be emphasized by demonstrations.

In small groups, the students will be taken into the wards and dispensaries of the University and Mercy Hospitals, where different phases of the various diseases will be taught by direct observation and examination. The use of the proctoscope and sigmoidoscope in examination of the rectum and sigmoid will be made familiar to each student.

A course in Proctoscopy may be given in the City Hospitals at Bay View, where abundance of material is always obtainable.

DEPARTMENT OF OBSTETRICS.

J. M. H. Rowland, M.D.....Professor of Obstetrics
L. E. Neale, A.M., M.D., LL.D.....Professor of Obstetrics
Bernard Purcell Muse, M.D.....Professor of Clinical Obstetrics
Charles E. Brack, M.D.....Clinical Professor of Obstetrics
J. McF. Bergland.....Associate in Obstetrics
H. S. Gorsuch, M.D.....Associate in Obstetrics
L. H. Douglass, M.D.....Associate in Obstetrics
F. H. Machin, M.D.....Assistant in Obsterics
J. G. M. Reese, M.D.....Assistant in Obstetrics
Susanne R. Parsons, A.M., M.D., Ph.D.....Assistant in Obstetrics
Dudley Pleasants Bower, B.A., M.D.....Assistant in Obstetrics
Stanley W. Matthews, M.D.....Assistant in Obstetrics

Third Year. Three lectures and recitations each week by Drs. Neale and Rowland to entire class.

Manikin Work. Drs. Brack and Douglass, to sections of class at Mercy and University Hospitals.

Fourth Year. *Clinical Conference.* One hour each week for one semester to University Hospital section. Drs. Rowland and Neale.

Ward Classes. Six hours per week for five weeks to section of class at University Hospital. Drs. Rowland and Douglass.

DEPARTMENT OF GYNECOLOGY.

William S. Gardner, M.D.....Professor of Gynecology
J. Mason Hundley, M.D.....Professor of Clinical Gynecology
W. B. Perry, M.D.....Professor of Clinical Gynecology
Hugh Brent, M.D.....Associate Professor of Gynecology
Abraham Samuels, M.D.....Associate Professor of Gynecology
Geo. A. Strauss, M.D.....Associate in Gynecology
R. G. Willse, M.D.....Associate in Gynecology
T. K. Galvin, M.D.....Assistant in Gynecology
Jack M. Hundley, M.D.....Assistant in Gynecology

Third Year. *Didactic Work.* A course of thirty lectures and recitations in the second semester.

Clinical Work. Six hours weekly for one trimester. In this course a student writes the clinical history of each patient in the ward, makes a general physical examination, including the blood and urine, before the patient is brought before the class. One

student under supervision gives the anesthetic, a pelvic examination is made by six students, and any operation required is then done before a section of the class small enough to see clearly what is being done and how it is done. On a subsequent day the whole group examine microscopically sections prepared from material removed from patients that have been before them.

DEPARTMENT OF OPHTHALMOLOGY AND OTOLOGY.

HARRY FRIEDENWALD, A.B., M.D...Professor of Ophthalmology and Otology
J. W. DOWNEY, M.D.....Clinical Professor of Otology
CLYDE A. CLAPP, M.D.....Associate Professor of Ophthalmology
M. RANDOLPH KAHN, M.D.....Associate Professor of Ophthalmology
H. K. FLECK, M.D.....Associate in Ophthalmology
JOSEPH I. KEMLER, M.D.....Associate in Ophthalmology
E. A. KNORR, M.D.....Asssociate in Ophthalmology

THIRD YEAR. *Course in Diseases of the Eye*, October 2nd to January 18th. Dr. Harry Friedenwald.

Course in the Diseases of the Ear, October 2nd to January 18th. Dr. Downey.

Practical Course in Ophthalmoscopy, once weekly, in sections. Drs. Fleck and Kemler.

FOURTH YEAR. *Clinics in Diseases of the Eye and Ear*, weekly. Drs. Harry Friedenwald and Downey.

Ward Studies of ocular and aural lesions associated with general medical diseases, once weekly in sections. Drs. Clapp and Downey.

Dispensary Instruction, daily in small sections. Drs. Kahn and Knorr.

The courses in Ophthalmology and Otology are designed to familiarize the students with the common diseases of the eye and ear, their recognition and treatment, with a view to meet the needs of the general practitioner. Special emphasis is laid upon the relation between diseases of the eye and the ear and systemic diseases and diseases of other organs.

FIRST YEAR SCHEDULE—FIRST SEMESTER.

Hours.	Monday.	Tuesday.	Wednesday	Thursday.	Friday.	Saturday.
A. M. 9 to 10.	Histology and Embryology Laboratory.				Histology.	Dissecting.
10 to 11.					Embryology.	
11 to 11.30.	Transfer.	Histology.	Transfer.	Histology and Embryology Laboratory.	Transfer.	
11.30 to 12.	11.30 to 12.30. Physiology.		11.30 to 12.30. Physiology.		11.30 to 12.30. Physiology.	
P. M. 12 to 1.		Lunch and Transfer.		Lunch and Transfer.		
1 to 2.	Lunch.		Lunch.		Lunch.	
2 to 5.	Anatomy		and		Dissecting.	

Classes in Anatomy, Dissecting, and Physiology at Lombard and Greene Streets; all other classes at Calvert and Saratoga Streets.

FIRST YEAR SCHEDULE—SECOND SEMESTER.

Hours.	Monday.	Tuesday.	Wednesday	Thursday.	Friday.	Saturday.
A. M. 8.30 to 9.30.	Histology and Embryology Laboratory.				Bacteriology	Dissecting.
9.30 to 10.30.					Embryology.	
10.30 to 11.30.	Physiology.	Histology	Physiology.	Bacteriology	Physiology.	
11.30 to 12.00.	Lunch.					
P. M. 12 to 2.	Bacteriology.			Laboratory.		
2 to 2.30.	Transfer.					
2.30 to 5.30.	Anatomy		and		Dissecting.	

Classes in Anatomy and Dissecting at Lombard and Greene Streets; all other classes at Calvert and Saratoga Sts.

SECOND YEAR SCHEDULE—FIRST SEMESTER.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
A. M. 8.30 to 9.30.	Physiology.	Laboratory. Physiology, Section A.	Physiology.	Laboratory. Physiology, Section B.	Pharmacology.	Physiology.
9.30 to 10.30.	Biological Chemistry.	Biological Chemistry, Section B.	Biological Chemistry.	Biological Chemistry, Section A.	Biological Chemistry.	Pharmacology
10.30 to 11.30.	Pathology.		Pharmacology		Pathology.	Pathology.
11.30 to 12.30.	Lunch.	Lunch and Transfer Period.				
P. M. 12.30 to 1.30.	Laboratory.	Laboratory.	Laboratory.	Immunology.	Immunology.	
1.30 to 2.30.	Pharmacology	Immunology and Serology	Immunology and Serology	Surgery.	Medicine.	
2.30 to 3.30.						
3.30 to 4.30.	Neural Anatomy.	Surgical Anatomy.	Surgical Anatomy.	Surgical Anatomy.	Surgical Anatomy.	
4.30 to 5.30						

Classes on Tuesdays, Wednesdays, Thursdays and Fridays from 12.30 to 5.30, at Calvert and Saratoga Streets; all other classes at Lombard and Greene Streets.

SECOND YEAR SCHEDULE—SECOND SEMESTER.

A. M. 8.30 to 9.30.	Physiology.	Laboratory: Physiology, Section A.	Physiology.	Laboratory: Physiology, Section B.	Pharmacology	Physiology.
9.30 to 10.30.	Biological Chemistry.	Biological Chemistry, Section B.	Biological Chemstry.	Biological Chemistry, Section A.	Biological Chemstry.	Pharmacology
10.30 to 11.30.	Pathology.		Pharmacology		Pathology.	Pathology.
11.30 to 12.00.	Lunch.					Lunch.
P. M. 12 to 1.	Pathological Laboratory.					Medical Clinic
1 to 2.						Surgery.
2 to 3.	Laboratory: Pharmacology Section A.	Laboratory: Pharmacology Section A.	Physical Diagnosis.	Laboratory: Pharmacology Section B.	Laboratory: Pharmacology Section B.	
3 to 4.	Biological Chemistry, Section B.	Physiology, Section B.		Physiology. Section A.	Biological Chemstry. Section A.	
4 to 5.						

All classes at Lombard and Greene Streets.

THIRD YEAR SCHEDULE.

Hours.	Monday.	Tuesday.	Wednesday	Thursday.	Friday.	Saturday.
A. M. 8.30 to 9.30.	Medicine.	Pathology.	Therapeutics.	Surgery.	Pathology.	Surgery.
9.30 to 10.30	Pediatrics.	Surgery.	Obstetrics.	Medicine.	Therapeutics.	Medicine.
10.30. to 1.30.	Physical Diagnosis. — Operative Surgery. — Dispensary. — Lunch and Transfer.	Physical Diagnosis. — Operative Surgery. — Dispensary. — Lunch and Transfer.	Physical Diagnosis. — Operative Surgery. — Dispensary. — Lunch and Transfer.	Physical Diagnosis. — Operative Surgery. — Dispensary. — Lunch and Transfer.	Physical Diagnosis — Operative Surgery. — Dispensary. — Lunch and Transfer.	Physical Diagnosis — Operative Surgery. — Dispensary. — Lunch and Transfer.
P. M. 1.30 to 2.30.	Medical Clinic.	Obstetrics.	Section A. Clinical Medicine & Surgery, Gross Pathology, at Bay View. — Section B. 1.30 to 2.30, Group Work in Ophthalmoscopy.	Obstetrics	Neurology	Gynecology.
2.30 to 4.30	Pathology Laboratory	Pathology. Laboratory.		Clinical Pathology Laboratory	Clinical Pathology Laboratory	Section B. Clinical Medicine & Surgery, Gross Pathology, at Bay View. — Section A. 1.30 to 2.30, Group Work in Ophthalmoscopy.
4.30 to 5.30.	Preventive Medicine.	Eye & Ear—Oct. 2 to Jan. 18. Physical Therapeutics—Jan. 22-Feb. 22. Fractures—Feb. 26-May 31.		Eye & Ear—Oct. 2 to Jan. 18. Physical Therapeutics—Jan. 22-Feb. 22. Fractures—Feb. 26-May 31.	Preventive Medicine.	

From 10.30 A. M. to 1.30 P. M. the class is divided into two sections, one section reporting at Calvert and Saratoga Streets, the other at Lombard and Greene Streets.

Classes on Thursdays, Fridays, from 1.30 to 5.30, and Saturdays, 1.30 to 2.30, at Calvert and Saratoga Streets.

FOURTH YEAR SCHEDULE.

Hours.	Monday.	Tuesday.	Wednesday	Thursday.	Friday.	Saturday.
A. M. 8.30 to 11.00.	Ward Classes Medicine, Surgery, Obstetrics.	Ward Classes Medicine, Surgery, Gynecology.	Ward Classes Medicine, Obstetrics. Surgery, 10-11.	Ward Classes Medicine, Surgery Gynecology.	Ward Classes Medicine, Surgery,	Ward Classes Medicine, Surgery, Gynecology.
11.00 to 12.00.	Orthopedic Surgery.	Medical Clinic (University) Surgical Path. (Mercy)	Clinical Pathological Conference.	Surgical Clinic.	Medical Clinic.	Pediatrics Clinic.
P. M. 12.00 to 2.00.	Dispensary Lunch and Transfer	Dispensary and Lunch	Dispensary and Lunch and Transfer	Dispensary and Lunch	Dispensary, Lunch and Transfer.	Dispensary Lunch and Transfer.
2.00 to 3.00.	Dermatology Clinic (Full class at Univ. Hosp.)	Neurology Clinic	Eye and Ear Clinic (Full class at Univ. Hosp.)	Genito-Urinary Clinic (Mercy) Obstetrical Clinic (University Hosp.)	Gastro-Enterology Clinic. (Full class at Univ. Hosp.)	Psychiatry Clinic (Full class at Univ. Hosp.)
3.00 to 4.30.	Ward Classes Medicine. Urology. Eye & Ear.	Ward Classes Medicine. Proctology. Pediatrics.	Ward Classes Medicine. Nose & Throat. Obstetrics.	Ward Classes Medicine. Orthopedic Surgery. Obstetrics.	Ward Classes Medicine. X-Ray. Neurology.	
4.30 to 5.30.	Preventive Medicine.	Gynecology.			Preventive Medicine.	

The Senior class is divided into two sections, which report, one at Lombard and Greene Streets, the other at Calvert and Saratoga Streets, for one semester each, rotate at the end of the first semester on January 28, 1923.

Each section of the class is divided into three groups—Medical, Surgical and Special. These groups will rotate on the following dates:

FIRST SEMESTER.

1st period, Oct. 2 to Nov. 4.
2nd period, Nov. 6 to Dec. 9.
3rd period, Dec. 10 to Jan. 27.

SECOND SEMESTER.

1st period, Jan. 29 to Mar. 3.
2nd period, Mar. 5 to Apr. 7.
3rd period, Apr. 9 to May 26.

THE UNIVERSITY HOSPITAL TRAINING SCHOOL FOR NURSES.

Miss Annie Crighton, R.N., *Superintendent of Training School.*

The University of Maryland School for Nurses, established in the year 1889 for the purpose of instructing women in the art of caring for the sick, is now entering its thirty-second year.

The University Hospital is a large general hospital containing about 250 beds, and is equipped to give young women a thorough course of instruction and practice in all phases of nursing work.

Unusual advantages are offered to student nurses because of the varied services and well-thought-out curriculum, taught by qualified instructors and members of the Medical Staff of the University.

The Nurses' Home is a new fireproof, modern building in every respect; single rooms for students, large reception and recreation rooms. The Laboratory and class rooms are also in this building and have been specially planned to answer the teaching needs of the student nurse.

Candidates wishing to obtain the course of instruction must apply personally or by letter to the Superintendent of Nurses. Those applying by letter should enclose a statement from a clergyman testifying to good moral character, and one from a physician certifying to sound health and unimpaired faculties. No candidate will be considered who is not physically fit. Applicants must not be under 19 or over 35 years of age. They must show that they have graduated from a high school or have the equivalent of such a degree of education. The Superintendent of Nurses decides as to the fitness of the candidate for the work and the propriety of dismissing or retaining them at the end of their probation term. She may also, with the approval of the Committee, dismiss a pupil from the school at any time for misconduct or inefficiency.

The course of instruction covers a period of three years.

Classes are admitted in February and March and September. Student Nurses are on duty eight hours during the day, and ten hours when on night duty, except during the first six weeks of the preliminary period, when four hours are spent in the wards and four hours in the classroom.

When the work will permit a half day is allowed on Sunday. The term of night duty is two months during each year.

Sickness: Pupils when ill will be cared for gratuitously. All time lost for sickness or any other cause must be made up. Should the authorities of the school decide that through the time lost the theoretical work has not been sufficiently covered to permit the student to continue in that year, it will be necessary for her to continue her work with the next class.

Vacations: Vacations are given between June and September. A period of three weeks is allowed the student after the completion of the first and second years.

Examinations: Examinations are held after each course of study and lectures, and the standing of the student at the end of the year is based upon the results of these examinations and the general character of the work throughout the year.

The diploma of the school will be awarded to those who have satisfactorily completed the full term of three years and have passed successfully the final examinations.

GRADUATING CLASS OF 1922, UNIVERSITY HOSPITAL.

Student	Address
Cecile Marie DuBois	Maryland
Veronica Ellen Callaghan	Ohio.
Nettie Bradley Lord	Maryland
Mary Julia Deputy	Maryland
Grace Lovell Elgin	Maryland
Frankie Bowman Morrison	Pennsylvania
Lucile Love Bowie	Virginia
Isabelle Jamison Pannair	Virginia
Eva Louise Yeager	Maryland

THE MERCY HOSPITAL TRAINING SCHOOL FOR NURSES.

The Mercy Hospital Training School for Nurses, conducted by the Sisters of Mercy and connected with the College of Physicians and Surgeons, was organized and incorporated under the general laws of the State of Maryland in 1899. Its first students were graduated in 1901; and on the passage of the bill for registration in 1904 the Sisters of Mercy, connected with the Hospital service, received certificates as registered nurses.

The Training School was affiliated with the Board of Regents of the State of New York in 1906; and in the same year the Alumnae Association was incorporated, having been previously connected with the Associated Alumnae of the United States. The graduates, as active members, have been much interested in the movements of the Maryland Association of Graduate Nurses, to whom they have given every encouragement to uplift the pro-

fession in its many works of district nursing, tuberculosis campaign, Red Cross movements, etc.

The requirements for entrance are: Highest moral standing, health, intelligence and a High School education or its equivalent. The age limit is twenty to thirty-five years.

After a three months' probation, candidates, if they possess the necessary qualifications, are admitted to the Training School proper, receiving five dollars a month wherewith to secure textbooks, etc., the education they receive being considered their compensation. The right is reserved to dismiss pupils for any cause which may be deemed sufficient by the Sister Superior or Superintendent.

The course of training comprises three years of theory and practice. The clinical advantages are exceptional. The medical, surgical, orthopedic, gynecological, obstetrical, children's and dietetic departments give valuable practical experience. The nurses are taught the theory of nursing by class recitations and demonstrations by efficient Sister instructors. Supplementing this training is a course of lectures from the professors of the University of Maryland School of Medicine and College of Physicians and Surgeons, who are untiring in their efforts to keep the School abreast with modern scientific developments.

GRADUATES, 1922.

Name	Address
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Anne Baile Chenoweth	Maryland
Virginia Eleanor Geise	Maryland
Margaret Howard Dudley	Maryland
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Emma Garrison Burdette	Maryland
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This Board is incorporated by act of the Legislature of the State, its legal title being "The Trustees of the Endowment Fund of the University of Maryland," and is independent and self-perpetuating, filling itself any vacancies. Its powers are limited *to the expenditure of the interest derived from the fund*, which is to be applied in the discretion of the Board for the benefit of the University. Contributions, donations and bequests are solocited from Alumni and friends. They may be made to the general or University Fund, to the Medical Fund or to any other department of the University. If intended for the School of Medicine, they may be given to the general medical fund or to some special object, as building, research, library, pathology, hospital, publication, laboratories, gymnasium, scholarship, medal, prize, etc., in which case the wishes of the donor will be strictly regarded. Attention is invited to the "Charles Frick Research Fund," already established in memory of that distinguished investigator. Checks should be made payable to B. Merrill Hopkinson, M.D., Treasurer, Professional Building, Baltimore, Md.

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I give, devise and bequeath to the Regents of the University of Maryland, a corporation incorporated under the laws of the State of Maryland, for the benefit of the Faculty of Physic.....
(Here state amount or describe property.)

To Endowment Fund.

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UNIVERSITY HOSPITAL.

COLLEGE OF PHYSICIANS AND SURGEONS AND MERCY HOSPITAL.

VOL. VIII JULY, 1923 NO. 1

OFFICIAL PUBLICATION

OF THE

UNIVERSITY OF MARYLAND.

BULLETIN

OF THE

SCHOOL OF MEDICINE.

ANNUAL ANNOUNCEMENT.

SESSION 1923-1924.

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*Post-graduate

UNIVERSITY OF MARYLAND—GENERAL VIEW
(Medical, Dental, Law and Pharmacy)

BULLETIN

OF THE

University of Maryland School of Medicine

AND

College of Physicians and Surgeons.

Successor to THE HOSPITAL BULLETIN, of the University of Maryland, BALTIMORE MEDICAL COLLEGE NEWS, and the JOURNAL of the Alumni Association of the College of Physicians and Surgeons.

VOL. VIII JULY, 1923 NO. 1

ANNUAL ANNOUNCEMENT.

SESSION 1923-1924.

CALENDAR

1923-1924

SCHOOL OF MEDICINE.

September 18 to 25, Inc.—Examinations for advanced standing.

October 1—Regular session begins.

November 11—Closed (Armistice Day).

November 29—Closed (Thanksgiving Day).

December 21—Christmas recess begins after last lecture period.

January 2—Lectures resumed 9 A. M.

February 22—Closed (Washington's Birthday).

April 17—Easter recess begins after last lecture period.

April 22—Lectures resumed 9 A. M.

June 7—Commencement.

THE UNIVERSITY OF MARYLAND

Control of the University of Maryland is vested in a Board of nine Regents, appointed by the Governor and confirmed by the Senate for terms of nine years each. The general administration of the University is vested in the President. The University Council is an advisory body, composed of the President, the Assistant to the President, the Director of the Agricultural Experiment Station, the Director of the Extension Service, and the Deans. The University Council acts upon all matters having relation to the University as a whole, or to co-operative work between the constituent groups. Each school has its own Faculty Council, composed of the Dean and members of its Faculty; each Faculty Council controls the internal affairs of the group it represents.

The University has the following educational organization:

The College of Agriculture,
The College of Engineering,
The College of Arts and Sciences,
The School of Medicine,
The School of Law,
The School of Dentistry,
The School of Pharmacy,
The College of Education,
The College of Home Economics,
The Graduate School,
The Summer School,
The Department of Physical Education and Recreation,
The College of Commerce and Business Administration.

The Schools of Medicine, Law, Dentistry, Pharmacy and Commerce are located in Baltimore; the others in College Park, Maryland.

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Austin H. Wood, M.D., Instructor in Genito-Urinary Diseases.
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Zacariah Morgan, M.D., Assistant in Gastro-Enterology.
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P. Artigiani, M.D., Assistant in Pediatrics.
I. J. Feinglos, M.D., Assistant in Pediatrics.
E. D. Weinberg, M.D., Assistant in Pathology.
A. E. Goldstein, M.D., Assistant in Pathology.
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Stanley E. Matthews, M.D., Assistant in Obstetrics.
Wetherbee Fort, M.D., Assistant in Medicine.
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H. Whitney Wheaton, M.D., Assistant in Pediatrics.
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H. J. Dorf, M.D., Assistant in Pediatrics.
D. H. Lawler, M.D., Assistant in Pediatrics.
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W. E. Grempler, M.D., Assistant in Gastro-Enterology.
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Leon Freedom, M.D., Assistant in Medicine.
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H. C. Knapp, M.D., Assistant in Genito-Urinary Diseases.
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J. H. Collinson, M.D., Assistant in Genito-Urinary Diseases.
Milton C. Lang, M.D., Assistant in Genito-Urinary Diseases.
Victor Richards, M.D., Assistant in Genito-Urinary Diseases.
Leo Brady, M.D., Assistant in Gynecology.
J. Ogle Warfield, M.D., Assistant in Physiology.

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Maurice C. Pincoffs, M.D.
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Ophthalmologists and Otologists.

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Assistant Resident Physician.
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Assistant Resident Surgeon.
Ira P. Champe, M.D.

Resident Gynecologist.
Wm. A. Porter, M.D.

Resident Surgeon, Nose and Throat.
Joseph Kemp, M.D.

Resident Obstetrician,

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T. O. Snaith, M.D.
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Clyde Marvel, M.D.
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Everard Briscoe, M.D.
H. B. McElwain, M.D.

Genito-Urinary Surgery.

Supervisor, A. G. Rytina, M.D.

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A. J. Gillis, M.D.
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F. L. Badagliaca, M.D.
B. T. Baggott, M.D.
Edward Novak, M.D.
Jas. Barry Ryan, M.D.
H. Sheppard, M.D.

Diseases of Stomach.

Supervisor, Julius Friedenwald, M.D.

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T. Frederick Leitz, M.D. — Joseph Sindler, M.D.
M. Feldman, M.D. — S. Zinberg, M.D.
Theodore H. Morrison, M.D. — A. Eisenberg, M.D.
E. E. Grempler, M.D.
W. F. Zinn, M.D. *Esophagoscopist.*

Nervous Diseases.

Supervisor, A. C. Gillis.

Attending Physicians.

Milford Levy, M.D. — Geo. F. Sargeant, M.D.

Diseases of Women.

Supervisors.

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Attending Surgeons.

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T. K. Galvin, M.D. — C. F. J. Coughlin, M.D.

Diseases of Nose and Throat.

W. F. Zinn, M.D. — R. F. McKenzie, M.D.

Diseases of Eye and Ear.

H. K. Fleck, M.D. — J. W. Downey, M.D.
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Pediatrics.

Harry Goldberg, M.D. — I. J. Feinglos, M.D.

Proctology.

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Dermatology.

Melvin Rosenthal, M.D.

Assistant.

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Dental Clinic.

Norval McDonald, D.D.S. — Le Roy Knoble, D.D.S.

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Catherine Campbell, R.N., *Assistant.*

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Compton Riely, M.D.

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Pediatrist.

Benjamin Tappan, B.A., M.D.

Attending Surgeon.

A. M. Shipley, M.D.

Attending Neuro-Surgeon.

Charles Bagley, Jr., M.D.

Attending Laryngolist.

F. B. Anderson, M.D.

Attending Dermatologist.

John R. Abercrombie, A.B., M.D.

Attending Pathologist.

Howard J. Maldeis, M.D.

Attending Urologist.
GIDEON TIMBERLAKE, M.D.

Attending Oculist and Aurist.
WILLIAM TARUN, M.D.

Attending Neurologist.
IRVING J. SPEAR, M.D.

Attending Dentists.
G. E. P. TRUITT, D.D.S. J. B. BELL, D.D.S.

Consulting Surgeons.
J. M. T. FINNEY, A.B., M.D.
RANDOLPH WINSLOW, A.M., M.D., LL.D. ARCHIBALD C. HARRISON, M.D.

Consulting Physicians.
THOMAS R. BROWN, A.B., M.D. LLEWELLYS F. BARKER, A.B., M.D.
THOMAS F. FUTCHER, A.B., M.D. WILLIAM S. THAYER, A.B., M.D.

Consulting Oculist.
HIRAM WOODS, M.D.

Consulting Laryngologist.
JOHN N. MACKENZIE, A.B., M.D.

Dispensary and Social Service Nurse.
MISS MABEL BROWN, R.N.

Head Nurse.
MISS IDA LASHLEY, R.N.

STAFF OF THE CITY HOSPITALS AT BAYVIEW.

THOMAS R. BOGGS, S.B., M.D., *Physician-in-Chief.*

ARTHUR M. SHIPLEY, M.D., *Surgeon-in-Chief.*

H. D. MCCARTY, M.D., *Physician-in-Chief to the Municipal Tuberculosis Hospital.*

HARRY GOLDSMITH, M.D., *Physician-in-Charge of the City Detention Hospital for the Insane*

JOHN R. CASH, M.D., *Pathologist.*

LAWRENCE GETZ, M.D., *Acting Pathologist in the absence of* DR. CASH.

CONSULTING STAFF.

Ophthalmologist.
JAMES J. MILLS, M.D.

Otologist.
WILLIAM TARUN, M.D.

Gynecologist.
R. G. WILLSE, M.D.

Urologist.
W. H. TOULSON, M.D.

Laryngologists.
FRANK DYER SANGER, M.D.
H. R. SLACK, M.D.

Pediatrician.
JOHN RUHRAH, M.D.

Neurologist.
HENRY M. THOMAS, M.D.

Psychiatrists.
HENRY J. BERKELY, M.D.
ADOLPH MEYER, M.D.

Orthopedist
H. L. WHEELER, M. D.

Assistant Visiting Physician.
CHARLES R. AUSTRIAN, M.D

Assistant Visiting Surgeon.
FRANK S. LYNN, M.D.

MATRICULATES, UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE AND COLLEGE OF PHYSICIANS AND SURGEONS, 1922-1923.

POST-GRADUATES AND SPECIAL STUDENTS.

Dobson, James Francis, M.D., South Carolina
Geraghty, Francis Joseph,.....Maryland
Schneider, George Alfred, M.D.....Maine

FOURTH YEAR CLASS.

Name State
Beck, Nathaniel Monroe, A.B....Maryland
Belenky, Jacob.....New York
Berkson, Morris Irwin.....Pennsylvania
Bowers, Thaddeus R., Jr., A.B North Carolina
Dart, Frederick Bond.....Connecticut
Desane, Joseph.....New York
Edmonds, John Milton.....Michigan
Fleshman, Dewey Lynwood, B.S., West Virginia
Giffin, Theodore Clifton, B.S. West Virginia
Goldberg, Ben .....New York
Gordon, Abraham S.....New York
Grose, Robt. Glenn, A.B....North Carolina
Gutowski, Joseph Matthew, A.B., New Jersey
Haddock, Douglass Arno.....Maine
Hagerman, Paul.....West Virginia
Harp, J. Elmer.....Maryland
Hirsch, Philip .....New York
Hundley, John T. T., Jr., A.B.....Virginia
Hunt, William Bryce, A.B..North Carolina
Jennette, William Carl, A.B., North Carolina
Keith, Marion Yates.....North Carolina
Knipp, George Adam.....Maryland
Kraut, Arthur Milton.....New Jersey
Kyper, Frederick T.....Pennsylvania
Lally, Leo Aloysius.....Pennsylvania
Long, Ira Clinton, A.B.....North Carolina
Love, William Samuel, Jr., A.B....Maryland
McCullough, Carlton S. L., B.S. Pennsylvania
McLean, Herbert, A.B.....New Jeresy
Moler, Raleigh Miller, B.S...West Virginia
Murray, Robert Lebby, B.S..North Carolina
Myers, Karl Johnson, B.S...West Virginia
Newcomer, David Ridenour, B.S..Maryland
Peterman, James Elmer.....Maryland
Povalski, Alexander William...New Jersey
Prather, Fonzo Goff, B.S.....West Virginia
Rothfuss, Paul Arndt, B.S....Pennsylvania
Ruche, Harry Charles.....Pennsylvania
Saurborne, Sylvia Barnes, B.S West Virginia
Schorr, Richard.....New York
Shealy, Walter Hal, A.B.....South Carolina
Sherman, Louis.....New York
Smith, Charles Franklin.....Pennsylvania
Snaith, Theresa Ora.....West Virginia
Sowers, Roy Gerodd, A.B., B.S., M.A. North Carolina
Steincrohn, Peter Joseph.....Connecticut
Sussman, Abram Allen, D.D.S....Maryland
Touhey, T. Joseph.....Delaware
Walker, Wallace William, B.S. West Virginia
Wasserstrom, Sidney.....New York
Weinert, Henry Vincent.....New Jersey
Welton, William Archibald, B.S. West Virginia
Werner, Walter Ignatius .....Ohio
White, James Franklin.....West Virginia

THIRD YEAR CLASS.

Name State
Anderson, Albert Louis.....Maryland
Anderson, Richard Speight..North Carolina
Antonius, Nicholas A.....New Jersey
Aycock, Thomas B., B.S....North Carolina
Barnes, D. Keith.....Utah
Beerman, Herman Marlin....Pennsylvania
Bell, Roy Austin, B.S.....West Virginia
Berenfield, Simon, A.B.....North Carolina
Best, DeLeon Edward, A.B..North Carolina
Boyd, Kenneth Bray.....Maryland
Briglia, Nicholas Natale.....Pennsylvania
Caso, Jose'.....Porto Rico
Clawson, Thomas Alfred, Jr., A.B....Utah
Daughtridge, Arthur Lee...North Carolina
Davenport, Carlton Alderman North Carolina
Edelman, Edward Isidor.....New York
Dean, Hugh Elmer.....Utah
Felger, Walter Blaine, A.B.....Ohio
Fields, Daniel Allen,.....North Carolina

Name	State
Finegold, Abraham	Pennsylvania
Fisher, Harry Richard	New York
Flax, Ira Isador	New Jersey
Frehling, Joseph Morris	Kentucky
Friedman, Bernard	New York
Friedman, Irving	New Jersey
Given, Arnold Jarrett, B.S.	West Virginia
Goff, John Trevy	West Virginia
Golembe, Julius, B.S.	New York
Granoff, Jerry Frank	New York
Greifinger, Marcus Harry	New Jersey
Grossblatt, Philip	New Jersey
Howell, Clewell, B.S.	North Carolina
Jacobson, Philip	Maryland
Kafka, Maximilian Martyn, B.S.	New York
Knox, Joseph Clyde	North Carolina
Koons, Earle Weant, B.S.	Maryland
Kratz, Fred William	Maryland
Leibensperger, Geo. Franklin	Pennsylvania
Levine, Samuel	New Jersey
Marsh, James Tolley, A.B.	Maryland
Marton, Samuel	New York
Maseritz, Isadore	Maryland
Maurillo, Dominick Francis, A.B.	New York
McConnell, Harvey Russell, B.S.	South Carolina
McLane, Jr., William Oliver, B.S.	Maryland
Megahan, Burke	Pennsylvania
Messinger, Benjamin	New York
Miller, Benjamin	Maryland
Miller, Jacob M.	Maryland
Miller, Jos. George	Maryland
Monroe, Clement Rosenberg	North Carolina
Montani, Anthony Carmen, B.S. *	Ohio
Moriarty, Louis	Connecticut
Morris, Philip	New York
Morrison, William Henry, Jr.	Pennsylvania
Motta, Peter George, B.S.	Pennsylvania
Neustaedter, Theodore	New York
Nocera, Domingo	Porto Rico
Norment, John Edwin, A.B.	Maryland
Pachtman, Isadore	Pennsylvania
Parks, Walter Beatty	North Carolina
Perry, Archibald Howell	North Carolina
Pitkowsky, Louis K.	New York
Roberts, Bennett Watson	North Carolina
Robertson, Edwin Mason	North Carolina
Salvati, Leo Harry, B.S.	West Virginia
Scagnetti, Albert	New York
Scheindlinger, Morris I.	Maryland
Schlenger, Leo B.	New Jersey
Schultz, Louis Ariel	New York
Scimeca, Antonio Adolfo	New York
Schwab, Joseph Henry	New York
Seliger, Robert V.	New York
Shapiro, Ralph	New Jersey
Sherman, Maurice Aaron, B.S.	Pennsylvania
Siegel, Samuel, A.B.	Ohio
Simpson, Henry Hardy, A.B.	North Carolina
Staeck, Felix Cecil, B.S.	West Virginia
Tabershaw, Arnold Leon	New York
Talbott, Richard Bosworth, B.S.	West Virgina
Theuerkauf, Frank Joseph	Pennsylvania
Ward, Titus William, A.B.	North Carolina
Warren, Bryan Pope	North Carolina
Weinstock, Alexander Abraham	New York
Whaley, Thomas Bravard	Maryland
Winstead, John Lindsay	North Carolina
Zaslow, John	New York

*Did not complete course

SECOND YEAR CLASS.

Name	State
Arrache, Pedro	Porto Rcio
Balcerzak, Stanley Paul	Pennsyvania
Bentz, Felix John	Connecticut
Bizub, Emil Nicholas	New Jersey
Brown, Leo T.	District of Columbia
Cadle, Wm. Rodman	Maryland
Cardinale, Pasquale F.	New Jersey
Cassidy, John Joseph, B.S.	Delaware
Clahr, Abraham Albert	New York
Coe, John Marbury	Maryland
Coonan, Tnomas Joseph, A.B.	Maryland
Cope, Arthur Alexander, A.B.	Pennsylvanai
DeVincentis, Henry*	New Jersey
Donohoe, Edward Cyril	Pennsylvania
Draper, Leonidas McFerrin, A.B.	North Carolina
Dreskin, Jacob Louis	New Jersey
Dwyer, Daniel Raymond, A.B.	Connecticut
Eastland, John Sheldon, A.B.	New York
Elgin, Lee William	Maryland
Ellis, Francis Alva, A.B.	Maryland
Epstein, Harry Herman	New York
Everett, Franklin Redman	Maryland
Fancher Henry Wilson, Jr.	Connecticut
Farber, Rapheal	Pennsylvania
Fields, Abijah Clements	Alabama
Fine, Morris A.	Maryland
Fischman, Harold H.	New Jersey
Fishof, Frank	New York
Fuchs, Abner M.	New York
Gale, Louis Harry	Pennsylvania
Gaston, William Bryan	West Virginia

Name	State
Gattens, Wilbur Elton, B.S.	Maryland
Glick, Samuel, A.B.	Maryland
Grandfeld, Robert Francis*	Massachusetts
Grimm Wilson Osborne*	West Virginia
Herbert, Alpha Nathan	New Jersey
Hertz, Ben	New York
Hibbitts, John Thomas*	Maryland
Hulla, Jaroslav	Maryland
Jacobs, Morris Albert	Maryland
Keating, John Patrick	Connecticut
Kelley, Edward Burke	Pennsylvania
Knotts, William Kenneth	Maryland
Lalley, Paul Francis	Pennsylvania
Laus, Edward Raymond	New York
Linde, S. Arthur	Maryland
London, Daniel	New York
Lowe, Claude Milton	Pennsylvania
Metzky, Joseph	New Jersey
Miller, Edgar Raymond, A.B.	Pennsylvania
Minnefor, Chas. Anthony	New Jersey
Morales, Jaime Vila	Porto Rico
Mullenusky, Joseph John	Pennsylvania
Muncy, John W.	West Virginia
Nataro, Joseph	New Jersey
Navarro, Vicente Aquirre, A.B.	Philippine Islands
Nelson, James Wharton, A.B.	Maryland
Nimaroff, Meyer	New Jersey
Nock, Randolph Maxwell	Maryland
Orton, Lyman Ross	Maryland
Oshrin, Henry	New Jersey
Ottenberg, Gilbert, A.B.	District of Columbia
Pierce, James Lewis	Florida
Pinsky, Myer Mordecai	New Jersey
Plassnig, Edwin, B.S.	Maryland
Polizzotti, Joseph Louis	New Jersey
Poplack, Samuel Lewis	Connecticut
Pulaski, Leo Edward	Pennsylvania
Rathsprecher, Isadore	New Jersey
Rodriguez, Rafael Molina	Porto Rico
Rosenstein, Jack	New York
Sarnoff, Jack	New York
Schachter, Eugene Joel	Pennsylvania
Seiken, George	New York
Silverstein, Jacob Maurice	New Jersey
Simon, Joseph Ralph	Pennsylvania
Sinton, William Allen	Virginia
Straka, Robert Paul*	Pennsylvania
Sulman, William	Pennsylvania
Tomaiuoli, Michael Francis	New Jersey
Turner, Thomas Bourne, B.S.	Maryland
Visconti, Joseph Albert	New Jersey
Wassersweig, Martin Max	Pennsylvania
Weintraub, Harry	Maryland
Wiener, Joseph	New York
Zimmermann, Charles Conrad	Maryland

*Did not complete the year

FIRST YEAR CLASS.

Name	State
Alperin, Benjamin	New York
Anker, Harry	New York
Askin, Aaron John	Maryland
Baker, Norman Ware*	Maryland
Ballard, Maggie Byrnside	West Virginia
Barranco, Salvatore Humbert	Maryland
Beachley, Jack Henson	Maryland
Beaumon, Horace Vernon	North Carolina
Bennett, L. H.	Ohio
Bloch, Adolph	New Jersey
Bronstein, Irving	New York
Buccieri, Samuel Frank*	Pennsylvania
Campbell, Brice*	Ohio
Castagna, Joseph V.	Maryland
Castronovo, Joseph	Rhode Island
Clemson, Earle Princeton	Maryland
Cohen, Morris	Maryland
Coniff, Arthur A.	Maryland
Connell, A. J.	Pennsylvania
D'Angelo, Antonio Francesco	Rhode Island
Davis, Henry Vincent	Maryland
Diamond, H. Elias	New York
DiPaula, Frank Rosario	Maryland
DiPaula, Samuel Rogers	Maryland
Eanet, Paul	District of Columbia
Edmonds, Charles William	Maryland
Efron, Bernard Gelfond	Maryland
Feemster, Olive Swagerty	Maryland
Feldman, Solomon Charles	Maryland
Finkelstein, Abraham Harry	New York
Freedman, Herman	New Jersey
Freedman, Max	New Jersey
Freuder, Arthur Nathan	New York
Gahan, Emanuel	New York
Gerber, Isadore	Maryland
Gomez, Pedro Jose*	Nicaragua
Gordon, Abel	New Jersey
Graham, Kenneth Leo*	Maryland
Gulck, Georg Krohn	Denmark
Hecht, Lawrence Weis	Maryland
Helfond, David Mathew	New York
Hyman, Calvin	Maryland
Jensen, Jacob Roed	Denmark
Jolson, Meyer Stanley	Maryland
Karns, Clyde Filmore	Maryland
Knapp, Alphonse Joseph	Pennsylvania
Kralikauckas, Joseph	New Jersey
Lavy, Louis Theodore	Maryland
Levanovich, Charles James*	Maryland
Levin, Joseph	New Jersey

Name	State
Levin, H. Edmund	Maryland
Lista, Louis Joseph*	West Virginia
Lumpkin, Lloyd Uber	Maryland
Lusby, Frank Farrier	Maryland
Manginelli. Emanuel	New York
Martino, George Caprio	New Jersey
Matassa, Vincent Louis	Maryland
Mattikow, Bernard	New York
Merva, Andrew Joseph*	Pennsylvania
Meyls, George Adam, Jr.*	Maryland
Miller, Harry	New York
Misenheimer, Ed. Alexander	North Carolina
Moriconi, Albert Francis	New Jersey
Nanigian, Elizabeth*	Massachusetts
Nanigian, Mary*	Massachusettes
Naylor, Singleton Towshend	Maryland
Newman Richard Delamarter	Maryland
Normeut, Clinton Crawford	Maryland
O'Boyle, Thomas Joseph	Pennsylvania
Plitt, Freida Ruth*	Maryland
Polsue, William Clewell	West Virginia
Radest, Louis Jack	New York
Rattenni, Arthur	Rhode Island
Reifschneider, Herbert	Maryland
Rex, Elmer Galen	Ohio
Roberts, William Francis*	Connecticut
Robertson, Harold Seth	Massachusetts
Rocco, Frank	New Jersey
Roseman, Ned	New York

*Did not complete the course

Name	State
Rosenberg, Albert Abraham	Pennsylvania
Rosenfeld, Max Harry	Maryland
Rothberg, Abraham S.	New York
Sashin, David	New York
Sax, Benjamin J.	New York
Schenker, Paul	Maryland
Schmukler, Jacob	New Jersey
Schneider, David	Maryland
Schuman, William	Maryland
Schwartz, Ralph Alfred	New Jersey
Shank, Louis Warren*	Maryland
Shortess, George Seidel*	Maryland
Sherman, Elizabeth Bowman	Virginia
Smith, Jesse Earnest	Maryland
Smith, Paul L.	Pennsylvania
Spano. Frank	New Jersey
Susser, Max Herman	New Jersey
Tayntor, Lewis Olds	Maryland
Taub, Samuel	New York
Teitelbaum, Maurice L.	New York
Tenaglia, Entimio Domenico	Rhode Island
Thompson, Thomas Payne	Maryland
Tobias, Herbert Ramsay	Maryland
Totterdale, William Grainger	Maryland
Weinstein, Samuel	New Jersey
Weiss, Louis, Leo	New York
Weseley, Louis Jerome	New York
Winkler, Morris*	Pennsylvania
Wolfe, Samuel Benjamin	Maryland

GENERAL SUMMARY OF STUDENTS ATTENDING THE UNIVERSITY OF MARYLAND, SESSION OF 1922-1923.

College of Home Economics	16
College of Agriculture	274
College of Engineering	181
College of Arts and Sciences	271
College of Education	196
The Graduate School	52
The Summer School, 1922	446
School of Medicine	336
School of Law	563
School of Dentistry	258
School of Pharmacy	145
Extension Courses in Commerce	510
School of Nurses	98
Total	3,346

GRADUATES, UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE AND COLLEGE OF PHYSICIANS AND SURGEONS, JUNE 9, 1923.

Name	State
Beck, Nathaniel Monroe, A.B.	Maryland
Belenky, Jacob	New York
Bowers, Thaddeus Ray, Jr., A.B.	North Carolina
Dart, Frederick Bond	Connecticut
Desane, Joseph	New York
Edmonds, John Milton	Michigan
Fleshman, Dewey Lynwood, B.S.	West Virginia
Giffin, Theodore C., B.S.	West Virginia
Goldberg, Ben	New York
Gordon, Abraham S.	New York
Gutowski, Joseph M.	New Jersey
Haddock, Douglass Arno	Maine
Hagerman, Paul	West Virginia
Harp, J. Elmer	Maryland
Hirsch, Philip	New York
Hundley, John T. T. Jr., A.B.	Virginia
Hunt, William Bryce, A.B.	North Carolina
Jennette, William Carl, A.B.	North Carolina
Keith, Marion Yates	North Carolina
Knipp, George Adam	Maryland
Kraut, Arthur Milton	New Jersey
Kyper, Fred T	Pennsylvania
Lally, Leo Aloysius	Pennsylvania
Long, Ira Clinton	North Carolina
Love, William Samuel, Jr., A.B.	Maryland
McCullough, Carlton S. L., B.S.	Pennsylvania
McLean, Herbert, A.B.	New Jersey
Moler, Raleigh Miller, B.S.	West Virginia
Murray, Robert L., B.S.	North Carolina
Myers, Karl Johnson, B.S.	West Virginia
Newcomer, David R., B.S.	Maryland
Povalski, Alexander William,	New Jersey
Prather, Fonzo Goff, B.S.	W. Virginia
Roahfuss, Paul Arndt, B.S.	Pennsylvania
Ruche, Harry Charles	Pennsylvani
Schorr, Richard	New York
Shealy, Walter Hal, A.B.	S. Carolina
Sherman, Louis	New York
Smith, Chas. Franklin	Pennsylvania
Snaith, Theresa Ora	West Virginia
Sowers, Roy Gerodd, A.B., B.S., M.A.	North Carolina
Steincrohn, Peter Joseph,	Connecticut
Sussman, Abram Allen, D.D.S.	Maryland
Touhey, T. Joseph	Delaware
Walker, Wallace William, B.S.	West Virginia
Wasserstrom, Sidney	New York
Weinert, Henry Vincent	New Jersey
Welton, William Archibald, B.S.	West Virginia
Werner, Walter Ignatius	Ohio
White, James Franklin, B.S.	West Virginia

Prizemen

University Prize—Gold Medal.....Henry Vincent Weinert
Certificate of Honor.....Joseph M. Gutowski
Certificate of Honor.....George Adam Knipp
Certificate of Honor.....Frederick Bond Dart
Certificate of Honor.....David R. Newcomer
Certificate of Honor.....Alexander William Povalski
Certificate of Honor.....William S. Love, Jr.

In the third year the Dr. Jose L. Hirsch Memorial Prize of $50.00 was awarded to Antonio Adolfo Scimeca for the best work in Pathology during the second and third years.

Elias Gordon, B.S., of Pensylvania, a member of the class of 1922, was graduated September 1, 1922.

THE UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE AND COLLEGE OF PHYSICIANS AND SURGEONS.

As a result of the merger accomplished in 1915 the combined schools offer the student the abundant resources of both institutions, and, in addition, by earlier combination with the Baltimore Medical College, the entire equipment of three large medical colleges.

The School of Medicine of the University of Maryland is one of the oldest foundations for medical education in America, ranking fifth in point of age among the medical colleges of the United States. It was chartered in 1807, under the name of the College of Medicine of Maryland, and its first class was graduated in 1810. In 1812 the College was empowered by the Legislature to annex three other colleges or faculties, of Divinity, of Law, and of Arts and Sciences, and the four colleges thus united were "constituted an University by the name and under the title of the University of Maryland."

Established thus for more than a century, the School of Medicine of the University of Maryland has always been a leading medical college, especially prominent in the South and widely known and highly honored throughout the country.

The beautiful college building at Lombard and Greene Streets, erected in 1814-1815, is the oldest structure in America devoted to medical teaching. Here was founded one of the first medical libraries and the first medical college library in the United States.

Here for the first time in America dissecting was made a compulsory part of the curriculum; here instruction in Dentistry was first given (1837), and here were first installed independent chairs for the teaching of Diseases of Women and Children (1867) and of Eye and Ear Diseases (1873).

The School of Medicine was one of the first to provide for adequate clinical instruction by the erection in 1823 of its own hospital, and in this hospital intramural residency for the senior student was first established.

In 1913, juncture was brought about with the Baltimore Medical College, an institution of 32 years' growth. By this association the facilities of the School of Medicine were enlarged in faculty, equipment and hospital connection.

The College of Physicians and Surgeons was incorporated under the Legislative enactment in 1872, and established on Hanover Street in a building afterwards known as the Maternite, the first obstetrical hospital in Maryland. In 1878 union was affected with the Washington University School of Medicine, in existence since 1827, and the College was removed to its present location at Calvert and Saratoga Streets. By this arrangement medical control of the City Hospital, now the Mercy Hospital, was obtained, and on this foundation in 1899 the present admirable college building was erected.

CLINICAL FACILITIES.

HOSPITALS AND DISPENSARIES.

UNIVERSITY HOSPITAL.

The University Hospital, which is the property of the University of Maryland is the oldest institution for the care of the sick in the State of Maryland. It was opened in September, 1823, under the name of the Baltimore Infirmary, and at that time consisted of but four wards, one of which was reserved for eye cases. By successive additions this hospital was increased to more than fourfold its original accommodations, there being added to it a large clinical amphitheatre, a students' building for the accommodation of the thirty clinical assistants, and a nurses' building for the accommodation of the pupils of the Training School for Nurses. The yearly increase in the number of patients seeking admission to the hospital, however, more than kept pace with the increase in accommodations, and the Faculty therefore erected an entirely new and modern hospital of fully double the capacity of the former building.

The University Hospital is constructed of brick and Tennessee limestone in the Colonial style of architecture, fronting 175 feet upon Lombard Street, and about the same on Greene Street. It is supplied with the most modern and improved system of heating, ventilation, etc., and equipped with all modern requirements and conveniences for the care of the sick, and for the clinical instruction of the students of the University.

The hospital is situated opposite the Medical School buildings so that the students lose no time in passing from the lecture halls and laboratories to the clinical amphitheatre, dispensary and wards. It is owned by the University and the clinical material controlled entirely by the Faculty of the Medical School.

An important adjunct to the hospital is the postmortem building which is constructed with special reference to the instruction of students in pathological anatomy.

A portion of the hospital is used as a marine hospital for foreign seamen. The great importance of Baltimore as a shipping point brings into her harbor many vessels from all parts of the world, and the sick sailors who are cared for in the wards of the institution give the students an opportunity to observe a large variety of diseases. Another considerable portion of the building is used as a Municipal Hospital, and contains charity beds supported by the City of Baltimore. This department of the hospital is taxed to its utmost capacity to afford accommodations for the patients seeking admission.

Owing to its location, being the nearest hospital to the largest manufacturing district of the city, the University Hospital receives for treatment a very large number of accident cases of all kinds, both slight and serious. These cases, as well as patients suffering from the various diseases of our own climate, occupy the beds, and add greatly to the facilities of clinical teaching enjoyed by the school. The facilities for clinical instruction have been greatly enlarged by an appropriation by the State of Maryland for the support of free beds for patients from the various counties.

MERCY HOSPITAL.

The Sisters of Mercy first assumed charge of the Hospital at the corner of Calvert and Saratoga Streets, then owned by the Washington University, in 1875. By the merger of 1878 the Hospital came under the control of the College of Physicians and Surgeons, but the Sisters continued their work of administering to the patients.

In a very few years it became apparent that the City Hospital as it was then called, was much too small to accommodate the rapidly growing demands upon it. However, it was not until 1888 that the Sisters of Mercy ,with the assistance of the Faculty of the College of Physicians and Surgeons, were able to lay the

cornerstone of the present Hospital. This building was completed and occupied late in 1889. Since then the growing demands for more space has compelled the erection of additions, until now there are accommodations for 351 patients.

In 1909 the name was changed from The Baltimore City Hospital to Mercy Hospital.

Mercy Hospital is located in the center of a city of 750,000 inhabitants.

The clinical material in the free wards is under the exclusive control of the Faculty of the University of Maryland School of Medicine and College of Physicians and Surgeons.

It adjoins the College building, and all surgical patients from the public wards are operated upon in the College operating rooms. This union of the Hospital and College buildings greatly facilitates the clinical teaching, as there is no time lost in passing from one to the other.

Mercy Hospital is the hospital of the United Railways and Electric Company of Baltimore City, and receives patients from the Baltimore and Ohio Railroad Company and from the Pennsylvania Railroad Company and its branches.

LYING-IN HOSPITALS.

MATERNITY HOSPITAL OF THE UNIVERSITY OF MARYLAND.

This institution is also the property of the University, and under its exclusive control and direction, and is conducted with the special purpose of furnishing actual obstetrical experience to each member of the graduating class.

New accommodations have been provided in the general hospital, and the Maternity Department now offers better facilities than ever before, while the large increase in clinical material had made it possible to offer excellent opportunities for post-graduate work.

THE WEST END MATERNITY.

The West End Maternity adjoins the Franklin Square Hospital and furnishes an abundance of clinical material, which is under the control of the Board of Instruction.

OUT-PATIENT CLINIC AND DISPENSARY.

In connection with the University Hospital an out-door obstetrical clinic is conducted, in which every case has careful prenatal

supervision, is attended during labor by a graduate physician and graduate nurse—one senior student also being present—and is visited during the puerperium by the attending student and graduate nurse. Careful prenatal, labor and puerperal records are kept, making this work of extreme value to the medical student, not only from the obstetrical standpoint, but in making him appreciate the value of social service and public health work.

NUMBER OF PATIENTS.

During the year ending December 31, 1921, the number of patients treated in the Lying-In hospitals connected with the School was as follows:

Number of Confinements in Hospitals	490
Number of Confinements Out-Patient Department	754
Average number of cases seen by each student of the graduating class	15

THE MUNICIPAL HOSPITALS—BAY VIEW.

The clinical advantages of the University have been largely increased by the liberal decision of the Board of Supervisors of City Charities to allow the immense material of these hospitals to be used for the purpose of medical education. There are daily visits and clinics in medicine and surgery by the Staff of the Hospitals. The autopsy material is unsurpassed in this country in amount, thoroughness in study, and the use made of it in medical teaching.

The Municipal Hospitals consist of the following separate hospitals:

The General Hospital, 160 beds.
The Hospital for Chronic Cases, 88 beds.
The Municipal Hospital for Tuberculosis, 190 beds.
City Detention Hospital for Insane, 450 beds.

THE JAMES LAWRENCE KERNAN HOSPITAL AND INDUSTRIAL SCHOOL OF MARYLAND FOR CRIPPLED CHILDREN.

This institution contains seventy-five beds for the active treatment of deformities. It is situated at "Radnor Park," a colonial estate of seventy-five acres at Hillsdale, within the western city limits, reached by trolley.

This institution has city, state, endowed and private beds and every modern facility for the treatment of orthopedic cases as

well as a most beautiful park-like environment and farm, and is closely affiliated with the University of Maryland, for bed-side instruction.

ST. VINCENT'S INFANT ASYLUM.

The facilities of this institution, containing 250 infants and children, have been kindly extended to the University of Maryland by the Sisters of Charity. This large clinic enables this school to present to its students liberal opportunities for the study of diseases of infants and children.

INSTITUTIONS FOR THE TREATMENT OF THE INSANE AND FEEBLE-MINDED.

The Sheppard and Enoch Pratt Hospital for the Insane. This institution is one of the most modern hospitals for the treatment and care of the insane in this country. It is well endowed and its superintendent is R. M. Chapman, M. D., Professor of Psychiatry at the University of Maryland. In this hospital intensive treatment and study of mental diseases is carried on, a large number of the patients entering voluntarily. The students under the direction of Dr. Chapman and his assistants in a series of clinics are shown the early manifestations and the various stages of mental diseases, the methods of treatment, and their effects.

Spring Grove Hospital. Through the courtesy of the Superintendent of this institution, the Professor of Psychiatry is enabled to present to the weekly clinics to the fourth year class the different types of psychoses and psycho-neuroses.

DISPENSARIES.

The dispensaries associated with the University Hospital and the Mercy Hospital are organized upon a uniform plan in order that the teaching may be the same in each. Each dispensary has the following departments: Medicine, Surgery, Children, Eye and Ear, Genito-Urinary, Gynecology, Gastro-Enterology, Neurology, Orthopedics, Proctology, Dermatology, Throat and Nose, Tuberculosis and Psychiatry.

All students in their junior year work in the departments of Medicine and Surgery each day in one of the dispensaries.

All students in their senior year work in the special departments one hour each day.

Some idea of the value of these dispensaries for clinical teaching is shown by the number of patients treated. For the year

1921 about eighty-four thousand visits were made to the dispensaries.

In addition to these the Dental Department, situated upon the grounds of the University, conducts a daily clinic which is open to medical students.

UNIVERSITY HOSPITAL.

Dispensary Report January 1, 1922 to December 31, 1922

Department	*New Cases*	*Old Cases*	*Total*
Pediatrics	2,155	13,117	15,272
Dermatology	2,755	4,944	7,699
Medical	1,244	4,139	5,383
Obstetrics	1,399	3,944	5,343
Genito-Urinary	708	4,308	5,016
Surgical	1,374	3,572	4,946
Ophthalmology	1,465	3,400	4,865
Gynecology	1,076	2,079	3,155
Orthopedics	218	1,846	2,064
Laryngology	700	920	1,620
Neurology	197	1,285	1,482
Gastro-Enterology	171	786	957
Tuberculosis	147	223	370
Proctology	72	114	186
Psychiatric	59	100	159
	13,740	44,777	58,517

Mercy Hospital Dispensary Report, January 1 to December 31, 1922.
Sister M. Helen, Directress.

Dispensary Clinics	*New Cases*	*Old Cases*	*Total*
Surgical	686	1,933	2,619
Medical	756	953	1,712
Gynecological	290	1,020	1,311
Eye and Ear	344	771	1,115
Nose and Throat	527	664	1,191
Neurological	132	538	670
Pediatric	93	111	204
Gastro-Intestinal	211	773	984
Dental	70	112	182
Proctological	24	44	68
Orthopedic	95	480	575
Dermatological	185	554	739
Genito-Urinary Surgery	1,681	17,910	19,591
Total	5,094	25,866	30,960

ANATOMICAL LABORATORIES.

These laboratories are in charge of the Professor of Anatomy and his assistants. The University has recently built its own storage and embalming plant, which supplies an abundance of anatomical material. Anatomical material is furnished free of charge.

LABORATORY OF EXPERIMENTAL PHYSIOLOGY.

This laboratory occupies the first floor of Gray Laboratory; it includes a large student laboratory, with capacity of forty students, a room completely equipped for mammalian experimentation, a stock-room, and an office for the professor in charge. Within the same building there is an animal room in which there is kept a constant supply of material for experimentation and demonstration. The laboratory is equipped with ample apparatus: there is a complete set of student apparatus available for each group of two students, while the special apparatus for laboratory experimentation and class-room demonstration is adequate for the needs of the course.

LABORATORY OF BIOLOGICAL CHEMISTRY.

(See page 50.)

LABORATORY OF HISTOLOGY AND EMBRYOLOGY.

This laboratory is fully equipped for teaching Histology and Embryology.

There is a large collection of charts, specimens and apparatus used in teaching. The necessary equipment for the practice of technique is provided.

LABORATORIES OF PATHOLOGY AND BACTERIOLOGY.

The subject of bacteriology is taught during the second semester of the first year in a well equipped laboratory. See Department of Bacteriology and Immunology for a detailed account of work in this branch.

The subject of histopathology is also taught during the second year in a properly equipped laboratory. The details concerning this work are described under the subject of Department of Pathology and Bacteriology.

The instruction in gross pathology is obtained during the third year by attendance upon the autopsies at the University Hospital and the Mercy Hospital. Special instruction in this subject is also given by demonstrations with a large amount of pathological

material at the City Hospitals situated at Bay View. The subject of gross pathology is also taught in the third year by means of lectures and demonstrations, and a special effort is made to apply this subject to the explanation of the symptoms and clinical signs of disease. The instruction in autopsy technique is also given personally to small groups of students.

LABORATORIES OF CLINICAL PATHOLOGY.

These laboratories are fully equipped for the study of practical laboratory work in its relationship to clinical medicine. Each student is supplied with a locker, containing sufficient apparatus for any ordinary examination.

The wards and out-patient departments of the hospital furnish an abundance of material for study.

By reason of individual equipment, much work outside of class hours is expected of the student.

The class rooms are adequately lighted, and are conveniently situated for teaching purposes.

LIBRARIES.

The University Library, founded in 1813 by the purchase of the collection of Dr. John Crawford, now contains 14,906 volumes, a file of 50 current journals, and several thousand pamphlets and reprints. During the year ending December 31, 1921, 296 volumes were added. It is well stocked with recent literature, including books and periodicals of general interest. The home of the Library is Davidge Hall, a comfortable and commodious building in close proximity to the class rooms and the Laboratories of the Medical Department. The Library is open daily during the year, except in August, for use of members of the Faculty, the students, and the profession generally.

The Library of the Medical and Chirurgical Faculty of Maryland, containing many thousands of volumes, is open to the students of the school. The leading medical publications of the world are received by the library and complete sets of many journals are available. Other Libraries of Baltimore are the Peabody (181,000 volumes) and the Enoch Pratt Free Library (355,817 volumes).

All these libraries are open to the students of the school without charge.

The proximity of Washington places the immense libraries of the national capital at the disposal of the students of the school.

ANNUAL APPOINTMENTS.

On February first of each session the following annual appointments are made from among the graduates of the school:

TO THE UNIVERSITY HOSPITAL

Seven Senior Residents, viz:
Two Resident Surgeons.
Two Resident Physicians.
One Resident Gynecologist.
One Resident Obstetrician.
One Resident Pathologist.
Thirteen Junior Residents on a rotating service.

A number of students are appointed each year, at the close of the session, as Clinical Assistants in the University Hospital for the summer months.

TO THE MERCY HOSPITAL

Chief Resident Physician.
Three Resident Surgeons.
One Resident Physician.
One Resident Gynecologist.
One Resident Obstetrician.
Eight Junior Residents on a Rotating Service.

REQUIREMENTS FOR MATRICULATION.

Admission to the course in medicine is by a completed Medical Student Certificate issued by the Registrar of the University of Maryland. This certificate is obtained from the Registrar on the basis of satisfactory credentials, or by examination and credentials, and is essential for admission to any class.

The requirements for the issuance of the Medical Student Certificate are:

(a) The completion of a standard four-year high school course or the equivalent, and in addition,

(b) Two years or sixty semester hours of college credits, including chemistry, biology, physics, and English.

Women are admitted to the Medical Department of this University.

(A) DETAILS OF THE HIGH SCHOOL REQUIREMENTS.

1. Graduation from an accredited high school after pursuing a four-year course based upon an eight-year elementary course or its full equivalent, or

2. Successfully passing entrance examinations in the following subjects:

(a) Required Eleven (11) Units.

English, 4 years	3
Elementary and Intermediate Algebra	1
Plane Geometry (first five books)	1
Two years of a foreign language	2
Two of the three sciences—Biology, Chemistry, Physics	2
American History and Civics	1
Ancient History or English History	1

(b) Electives, Four (4) Units.

(1)	History and Political Science:	
	Ancient History or English History	1
	Mediaeval and Modern History	1 or ½
	General History	1 or ½
	Civics	½
	Economics	½
(2)	Language:	
	French 2 years	2
	German 2 years	2
	Greek 2 years	2
	Hebrew 2 years	2
	Italian 2 years	2
	Latin 2 years	2
	Spanish 2 years	2
(3)	Mathematics:	
	Advanced Arithmetic	½
	Advanced Algebra	1
	Plane Trigonometry	½
	Solid Geometry	½
(4)	Science:	
	Physics, Biology or Chemistry	1
	Physical Geography and Geology	1
	Astronomy	½
	Physiology and Hygiene	½
(5)	Vocational and cultural subjects:	
	Agriculture	1
	Bookkeeping	1
	Commercial Geography	½
	Domestic Science	1
	Drawing { Mechanical 1 and 2	each ½
	Drawing { Freehand 1 and 2	each ½
	Manual Training	1
	Music	1
	Stenography	1 or 2

One unit in any subject is the equivalent of the work in that subject for five periods per week for a year of at least thirty-six weeks, periods to be not less than forty-five minutes in length. One unit is equivalent to 2 semester credits or two points.

(B) DETAILS OF THE COLLEGE REQUIREMENT.

a. The preliminary college course shall extend through two college sessions of at least thirty-two weeks each of actual instruction, including final examinations.

b. In excellence of teaching and in content, the work of this preliminary college course shall be equal to the work done in the freshman and sophomore years in standard colleges and universities.

c. This preliminary college course shall include courses in physics, chemistry, biology, and English, each course to embrace at least six, eight or twelve hours of work in each subject, as shown in the schedule following.

SCHEDULE OF SUBJECTS OF THE TWO-YEAR PRE-MEDICAL COLLEGE COURSE.

Sixty Semester Hours Required

	Semester Hours
REQUIRED COURSES:	
Chemistry (a)	12
Physics (b)	8
Biology (c)	8
English Composition and Literature (d)	6
COURSES STRONGLY URGED:	
A modern foreign language.	
Comparative vertebrate anatomy.	
Psychology.	
Social science.	

A semester hour is the credit value of sixteen weeks' work consisting of one lecture or recitation period per week, each period to be of not less than fifty minutes' duration net, at least two hours of laboratory work to be considered as the equivalent of one lecture or recitation period.

(a) CHEMISTRY. Twelve semester hours required, of which at least eight semester hours must be in general inorganic chemistry, including four semester hours of laboratory work. In the interpretation of this rule, work in qualitative analysis may be counted as general inorganic chemistry. The remaining four semester hours required shall consist of work in organic chemistry.

(b) PHYSICS. Eight semester hours required, of which at least two must be laboratory work. This course presupposes a knowledge of plane trigonometry.

(c) BIOLOGY. Eight semester hours required, of which four must be laboratory work. This requirement may be satisfied by a course of eight semester hours in either general biology or zoology, or by courses of four semester hours each in zoology and

botany, but not by botany alone. The requirement may be satisfied also by six semester hours of college biology, including three semester hours in laboratory work, if preceded by a year (one unit) of high school biology.

(d) ENGLISH COMPOSITION AND LITERATURE. The usual introductory college course of six semester hours, or its equivalent, is required.

POST-GRADUATE STUDENTS.

Graduates in medicine desiring to take the work of the senior year without being candidates for the degree and, therefore, without examination, may receive a certificate of attendance on completing the full course satisfactorily.

The requirements for graduates in medicine admitted to the fourth year class as candidates for the degree of Doctor of Medicine are the same as those enforced against undergraduates admitted to advanced standing.

Summer Post-Graduate Courses—In the April number of the Bulletin detailed announcement will be made of the Post-grad-l uate Summer Courses.

COMBINED COURSE IN ARTS AND MEDICINE.

The students who have completed the junior year in our School of Liberal Arts and who have made an approved choice of electives may, if they desire, do the entire work of the senior year in the medical school of the University. If they successfully complete the work of the first medical year they are graduated with their class with the degree of Bachelor of Arts.

By taking advantage of this privilege a man may complete the Undergraduate and Medical courses in seven years.

During three of these years, or until he has completed the work of the junior class, he is a resident student in the School of Liberal Arts at College Park, Maryland, and for four years he is a student in the Medical School in Baltimore.

At the end of the fourth year he receives the A. B. degree, and at the end of the seventh year the M. D. degree, but credit from the Medical School cannot be accepted in subjects for which credit has already been given in the School of Liberal Arts.

The same privilege is allowed students of St. John's College, Annapolis, Maryland.

Special premedical courses have been arranged in our School of Liberal Arts at College Park and also by St. John's College at Annapolis.

RULES.

1. All students are required to take the spring examinations unless excused by the Dean. No student will be permitted to advance from a lower to a higher class with conditions.

2. Should a student be required to repeat any year in the course he must pay regular fees.

3. A student failing in final examinations for graduation at the end of the fourth year will be required to repeat the entire course of the fourth year and to take examinations in such other branches as may be required, should he be again permitted to enter the school as a candidate for graduation.

4. The general fitness of a candidate for graduation will be taken into consideration by the Faculty as well as the results of his examinations.

5. All first-year students entering the Medical School of the University of Maryland are required to provide themselves with microscopes of a type satisfactory to the Dean's Office.

A standard microscope of either Bausch & Lomb, Leitz, Spencer Lens or Zeiss make, fitted with the following attachments, will fill the requirements:-

Triple nose piece.
Wide aperture stage.
Quick screw condenser (Abbe).
10 x and 5 x Oculars.
16mm. and 4mm. Objectives.
1.9 mm. 1.25 N.A. Oil Immersion Lens.

All the above rules, as well as the fees stated below, relate to the year ending June 7, 1924, only. The right is reserved to make changes in the curriculum, requirements for graduation, fees and any of the regulations whenever the Faculty deem it expedient.

FEES.

Matriculation fee (paid each year)	$5.00
Tuition fee (each year) for residents of Maryland	250.00
Tuition fee (each year) for non-residents	300.00
Breakage fee(each year)	10.00
Special and re-examination fee	5.00

No fees are returnable, except unused portion of breakage fee.

The above fees apply to all students who matriculate in this institution in any class for the session beginning October 1, 1923.

All students, after proper certification, are required to register at the Registrar's offiice. The last date of registration is October second.

Matriculation, breakage and tuition for the first semester shall be paid at the time of registration, and for the second semester on or before February 1, 1924.

Failure to meet these conditions will automatically debar the student from attendance on classes and other privileges of the University.

FACULTY PRIZE.

To stimulate study among the candidates for graduation, the Faculty offers a Gold Medal to the candidate who passes the best general examination. Certificates of Honor are awarded to the five candidates standing next highest.

DR. JOSE L. HIRSCH MEMORIAL PRIZE.

A prize of $50.00 is given each year by Mrs. Jose L. Hirsch as a memorial to the late Dr. Jose L. Hirsch, formerly Professor of Pathology in this School, to the student in the third year who hasdone the most satisfactory work in Pathology during his second and third years.

SCHOLARSHIPS.

The Dr. Samuel Leon Frank Scholarship.

(Value, $125.00)

This scholarship was established by Mrs. Bertha Rayner Frank as a memorial to the late Dr. Samuel Leon Frank, an alumnus of this University.

It is awarded by the Trustees of the Endowment Fund of the University each year upon nomination by the Medical Council, "to a medical student of the University of Maryland, who, in the judgment of said Faculty, is of good character and in need of pecuniary assistance to continue his medical course."

This scholarship is awarded to a second, third or fourth year student only, who has successfully completed one years' work in the medical course, and no student may hold such scholarship for more than two years.

The Charles M. Hitchcock Scholarships.

(Value, $125.00 each)

Two scholarships were established from a bequest to the School of Medicine by the late Charles M. Hitchcock, M. D., an alumnus of the University.

These scholarships are awarded annually by the Trustees of the Endowment Fund of the University each year upon nomination by the Medical Council to students who have meritoriously completed the work of at least the first year of the course in medicine, and who present to the Faculty satisfactory evidence of a good moral character and of inability to continue the course without pecuniary assistance.

The Randolph Winslow Scholarship.
(Value, $125.00)

This scholarship was established by Prof. Randolph Winslow, M.D., LL.D.

It is awarded annually by the Trustees of the Endowment Fund of the University, upon nomination by the Medical Council, to "a needy student of the Senior, Junior, or Sophomore Class of the Medical School."

"He must have maintained an average grade of 85% in all his work up to the time of awarding the scholarship.

"He must be a person of good character and must satisfy the Medical Council that he is worthy of and in need of assistance."

The Dr. Leo Karlinsky Scholarship.
(Value, $200.00)

This scholarship was established by Mrs. Ray Mintz Karlinsky as a memorial to her husband, the late Dr. Leo Karlinsky, an alumnus of the University.

It is awarded annually by the Trustees of the Endowment Fund of the University, upon nomination by the Medical Council, to "a needy student of the Senior, Junior or Sophomore Class of the Medical School."

"He must have maintained an average grade of 85 per cent. in all his work up to the time of awarding the scholarship."

"He must be a person of good character and must satisfy the Medical council that he is worthy of and in need of assistance."

The University Scholarships.

Two Scholarships are awarded by the University. One to a student of the Department of Liberal Arts appointed by the President; the other, which entitles the holder to exemption from payment of the tuition fee of the year, is awarded annually by the Medical Council to a student of the Senior Class who presents to the Medical Council satisfactory evidence that he is of good moral character and is worthy of and in need of assistance to complete the course.

The St. John's Scholarship.

This scholarship is awarded annually by the Medical Council upon the nomination of the President of St. John's College.

It entitles the holder to exemption from the payment of the tuition fee of that year.

Frederica Gehrmann Scholarship.

This scholarship was established by the bequest of the late Mrs. Frederica Gehrmann and entitles the holder to exemption from payment of tuition fees. The scholarship is awarded to a second year student who at the end of the year passes the best practical examination in Anatomy, Physiology, Biological Chemistry, Pharmacology, Pathology, Immunology and Serology.

NOTICE TO STUDENTS.

The personal expenses of the students are at least as low in Baltimore as in any large city in the United States, The following estimates of student's personal expenses for the academic year of eight months have been prepared by students, and are based upon actual experience.

Items.	*Low*	*Average*	*Liberal*
Books	$27	48	75
College Incidentals	20	20	20
Board, eight months	200	250	275
Room rent	64	80	100
Clothing and laundry	50	80	150
All other expenses	25	50	75
Total	$386	$529	$695

Students will save time and expense upon their arrival in the city by going direct to the School of Medicine on the University grounds, N. E. corner of Lombard and Greene Streets, where the Superintendent of Buildings, who may be found at his office on the premises, will furnish them with a list of comfortable and convenient boarding houses suitable to their means and wishes.

The Dean will, if desired, attend to the collection of checks and drafts for students.

For further information, apply to

J. M. H. Rowland, M. D., *Dean*,
Lombard and Greene Streets.

ORGANIZATION OF THE CURRICULUM.

The following curriculum is the result of a thorough revision of teaching in this school in order to meet modern requirements. The multiplication of specialties in medicine and surgery necessitates a very crowded course and the introduction of electives will very soon be depended on to solve some of the difficulties.

The curriculum is organized under eleven departments:

1. Anatomy (including Histology and Embryology).
2. Physiology.
3. Biological Chemistry.
4. Pharmacology and Materia Medica.
5. Pathology.
6. Bacteriology.
7. Medicine (including Medical Specialties).
8. Surgery (including Surgical Specialties).
9. Obstetrics.
10. Gynecology.
11. Ophthalmology and Otology.

The instruction is given in four years of graded work.

Several courses of study extend through two years or more, but in no case are the students of different years thrown together in the same course of teaching.

The first and second years are devoted largely to the study of the structures and functions of the normal body, and laboratory work occupies most of the student's time during these two years.

Some introductory instruction in Medicine and Surgery is given in the second year. The third and fourth years are almost entirely clinical.

A special feature of instruction in the school is the attempt to bring together teacher and student in close personal relationship. In many courses of instruction the classes are divided into small groups and a large number of teachers insures attention to the needs of each student.

In many courses the final examination as the sole test of proficiency has disappeared and the student's final grade is determined largely by partial examinations, recitations and assigned work carried on throughout the course.

DEPARTMENT OF ANATOMY, INCLUDING HISTOLOGY AND EMBRYOLOGY.

C. L. Davis, M.D. ..... Professor of Anatomy
Tilghman B. Marden, A.B., M.D. .. Professor of Histology and Embryology
M. J. Hanna, M.D. ..... Associate in Anatomy
Howard B. McElwain, M.D. ..... Instructor in Anatomy
Louis C. Dobihal, M.D. ..... Instructor in Histology
J. D. Holofcener, M.D ..... Instructor in Histology
Stanley W. Mathews, M.D. ..... Instructor in Histology

First Year. *Didactic.* Five hours each week for thirty-two weeks. Each day, preceding the laboratory period, a quiz and demonstration of from 40 to 50 minutes is held, covering the laboratory work for the day.

Laboratory. Eighteen hours each week for thirty-two weeks This course includes a complete dissection of the human body. including the central nervous system. Abundance of good material is furnished and the student is aided in his work by competent demonstrators. Practical examinations are held at frequent intervals throughout the session and each student will be held to strict account for material furnished him. Each student is furnished a skeleton and a deposit is required to insure its return in good condition at the end of the session.

Second Year. *Didactic.* Three hours each week for six weeks. Lectures, recitations and conferences.

Laboratory. Seven hours each week for six weeks. This course is devoted exclusively to Neuro-Anatomy. A complete dissection of the human brain is required. This is followed by a study of the fiber tracts of the spinal cord and brain, special models and preparations being used for this part of the course.

Histology.

First Year. Lectures, recitations and laboratory work, nine hours each week during first semester; three hours each week during second semester. The most important part of the work will be done in the laboratory, where each student will be provided with apparatus, staining fluids and material necessary for the preparation of specimens for microscopical examination. An important aid to the course is the projection microscope which is used for the projection upon a screen of magnified images of the specimens actually used in the laboratory.

A large number of completely prepared sections are loaned to the students for study. This materially reduces the time otherwise required by the student for the preparation of sections and insures the best possible class of material for study.

Embryology.

Lectures, recitations and laboratory work; six hours each week during the second semester.

This course includes the study of the development of the chick and the fundamental principles of mammalian embryology. In the laboratory, the hen's egg will be studied in its various stages of development, and sections of the chick at different periods of incubation will be made and studied microscopically. The latter part of the course will be devoted to the study of sections through different regions of a mammal.

Special emphasis is laid upon the development in the human.

DEPARTMENT OF PHYSIOLOGY.

BARTGIS MCGLONE, A.B., Ph.D.----------Professor of Physiology
CHARLES C. CONSER, M.D.----------Associate Professor of Physiology
FREDINAND A. RIES, M.D.----------Associate in Physiology
JOSEPH P. POKORNY, M.D.----------Instructor in Physiology
FIRMADGE K. NICHOLS, A.B., M.D.----------Instructor in Physiology
J. OGLE WARFIELD, JR., A.B., A.M., M.D.----------Assistant in Physiology

The course in Physiology extends throughout the First and Second Years. It consists of a series of lectures, covering the field of human physiology, laboratory work, demonstrations, and frequent recitations. It is constantly in the mind of the department that this course is introductory to the study of medicine. The recitations cover the subject-matter of the lectures and the experiments performed in the laboratory.

FIRST YEAR. 1. This course includes lectures and recitations upon the physiology of the blood and circulation, respiration, muscle and nerve, a portion of the central nervous system, and special senses, and such chemical and physical facts as are necessary for a proper understanding of the physiology taught. Two lectures and a recitation weekly throughout the year. Dr. McGlone, assisted by Dr. Ries.

SECOND YEAR. 2. *Didactic instruction.* During this year the remaining topics of physiology are covered by lectures and demonstrations. As in the first year frequent recitations will be held. The subject-matter includes the physiology of digestion and secretion, nutrition, metabolism, internal secretion, the central nervous system, and the eye and ear. Lectures, demonstrations, and recitations, three hours per week. Dr. McGlone, assisted by Drs. Conser and Ries.

3. *Experimental Physiology.* This is a laboratory course in the dynamics of muscle and nerve, studies in circulation and respiration, and physiology of the special senses. Apart from the aquisition of the facts of physiology, the student is taught to observe accurately, record carefully the results of his observations, and from these results draw an independent conclusion. He is also trained in the use of instruments which are of value to him in his clinical years. Three hours weekly throughout the year. Drs. McGlone, Ries, Conser, Pokorny and Warfield.

4. *Elective Course in Physiological Technique.* This course is offered to Sophomores. Three hours per week. Second semester.

5. *Special Mammalian Physiology.* This is a laboratory course intended for advanced laboratory students (optional) who may wish to do special work in this line of physiology. Hours to be arranged. Dr. McGlone.

6. *Research in Physiology.* Properly qualified students will be admitted to the laboratory, which is well adapted for postgraduate study and special research. Hours will be arranged to suit individuals. Dr. McGlone.

PHARMACOLOGY AND MATERIA MEDICA.

WILLIAM HENRY SCHULTZ, Ph.B., Ph.D.----------Professor of Pharmacology
O. G. HARNE, A.B.----------Associate Professor of Pharmacology
WILLIAM GLENN HARNE----------Assistant in Pharmacology
---------- Assistant in Pharmacology

1. *Pharmacology.* Materia Medica and Prescription Writing required of all second year medical students during the first semester. Didactic, three hours a week; Laboratory, three hours a week.

This course is a prerequisite to all other courses in Pharmacology. Special emphasis is laid upon laboratory methods of observation and of intelligent note-taking. The essentials of precription writing are taught and the student is introduced to the official pharmacopoeal preparations.

Not only is the student taught intelligently the use of the United States Pharmacopoiea and the National Formulary, but the principles underlying the establishment of some of the most practical recipes are attacked from a didactic point of view.

2. *Systematic Pharmacology.* Required of all second year medical students. Three hours a week during the year, two lecture periods and one period for quiz and general conferences. Special

care is taken to adapt the material to the practical need of the medical student. Emphasis, however, is laid upon the pharmacological action of drugs as a pure science in order that a critical attitude toward drugs may be instilled. As the student masters the pharmocology of an important drug, its dosage, incompatibilities, and practical applications are driven home by systematic assignments of prescription writing, quizzes, and conferences.

3. *Pharmacodynamics.*—Second semester. Required of all second year students. Prequisite pharmacology 1. Laboratory, six hours a week.

The course runs parallel with pharmacology 2. Being a laboratory course it furnishes much didactic material used in the class conferences and lectures of pharmacology No. 2.

As the student's ability in handling biological material develops, experiments involving the more difficult technique of pharmacological experimentation are introduced. Special emphasis is laid upon the student's ability to handle live tissues and to make first-hand observations of a given drug's action, regardless of what standard text-books teach.

Class conferences, discussions, and the reading of assigned papers are used to supplement the laboratory and lecture. In these conferences the professor in charge attempts to summarize the class work as a whole, thereby properly coordinating it. It is by these means that the student acquires a critical and scientific attitude toward *official* and *new and non-official remedies.* The study is limited for the most part to such drugs as are known to have a definite pharmacological action and therapeutic value.

4. *Special Pharmacodynamics.* (Credit according to work done.)

This course is open to advanced students and special workers who desire advanced training, or who wish to pursue some special problem in Pharmacology or Toxicology. Hours to be arranged. Professor Schultz.

5. *Research in Pharmacology and Chemo-Therapy.* Properly qualified students are admitted to the laboratory with a view to their carrying on original investigations in drug action. The newly equipped laboratories are well adapted for postgraduate study and research in Pharmacology. Hours will be arranged to suit the applicant. Professor Shultz.

DEPARTMENT OF PATHOLOGY.

HUGH R. SPENCER, M.D. ..... Professor of Pathology
STANDISH MCCLEARY, M.D. ..... Professor of Pathology
SYDNEY CONE, M.D. ..... Associate Professor of Pathology
WM. J. CARSON, M.D. ..... Associate Professor of Pathology
LAWRENCE GETZ, M.D. ..... Assistant in Pathology
A. E. GOLDSTEIN, M.D. ..... Assistant in Pathology

Courses of instruction in pathology are given during the second, third, and fourth years. The courses are based on previous study of normal structure and function and aim to outline the natural history of disease. The instruction is made as practical as possible that the student may become familiar with the appearance of organs and tissues in disease and may be able to correlate anatomical lesions with clinical symptoms and signs.

1. GENERAL PATHOLOGY AND HISTO-PATHOLOGY This course is given to second year students. It includes the study and demonstration of disturbances of the body fluids, disturbances of structure, nutrition and metabolism of cells, disturbances of fat, carbohydrate and protein metabolism, disturbances in pigment metabolism, inflammation and tumors. The laboratory course consists in a daily preliminary talk on the subject for study, following which the student takes up the study of microscopical sections. Gross material from autopsy and from the museum is demonstrated in conjunction with the microscopical study.

2. APPLIED PATHOLOGY, INCLUDING GROSS MORBID ANATOMY AND MORBID PHYSIOLOGY. Third year students: In this course the special relationship of the gross and microscopical lesions to clinical symptoms and signs is emphasized. Fresh material from autopsy collected at the various hospitals is demonstrated and supplemented by a study of the respective autopsy protocols.

Special stress is laid upon the study of the infectious deseases and where possible the causative agents are studied.

3. AUTOPSIES. Third year. Autopsy technic is taught to small groups of students by special instruction at autopsies performed at the various hospitals. Students are required to assist at the autopsy, study the organs, examine the microscopical sections, make cultures and prepare autopsy protocols.

4. CLINICAL PATHOLOGICAL CONFERENCE. Fourth year. Material from autopsies is studied with reference to the clinical history and gross and microscopical anatomy. The course is illustrated with sections of fixed material or lantern slides.

5. Advanced Work in Pathology. Properly qualified students will be permitted to carry out advanced or research work along the lines of experimental pathology. Adequate space and equipment is available.

DEPARTMENT OF BACTERIOLOGY AND IMMUNOLOGY.

William Royal Stokes, M.D. Sc.D.....Professor of Bacteriology
Frank W. Hachtel, M.D.....Associate Professor of Bacteriology
Louis F. Krumrein, M.D.....Instructor in Bacteriology
J. A. F. Pfeiffer, M.D.....Instructor in Bacteriology
Henry F. Buettner, M.D.....Instructor in Bacteriology

Instruction in bacteriology is given in the laboratory to the students of the first year during the second semester. This includes the various methods of preparation and sterilization of culture media, the study of pathogenic bacteria and the bacteriological examination of water and milk. The bacteriological diagnosis of the communicable diseases is also included in this course. Animal inoculations are made in connection with the bacteria studied. The most important protozoa are also studied in the laboratory. The principles of general bacteriology are taught by quiz, conference and lecture.

The principles of immunology are presented by means of quizzes, conferences and lectures to the second year class throughout the first semester and practical experiments are carried out by the class in laboratory sessions of three hours each held twice weekly during the semester.

DEPARTMENT OF BIOLOGICAL CHEMISTRY.

H. Boyd Wylie, M.D.....Professor of Biological Chemistry
Frank N. Ogden, M.D.....Associate in Biological Chemistry

Instruction in Biological Chemistry comprises laboratory work, lectures and conferences.

Laboratory Work. The first few weeks of the laboratory work consists in the preparation of normal and standard solutions which requires careful use of the analytical balance and of volumetric glassware. The knowledge gained in this preliminary period is then put to practical application in the making of quantitative determinations of nitrogenous compounds of known nitrogen content. Daily reports are required of each student in this work and a careful record is kept of his ability.

At the end of this period there follows a long course of laboratory work on the chemistry and metabolism of the carbohydrates, proteins and lipins. Each type of foodstuff is considered separately; first its chemistry is studied and then its metabolism. In following this arrangement the usual long stretch of the pure chemistry of all the foodstuffs is eliminated.

Experiments on the tissues of the body then follow, and precede the final group of experiments on bile, milk and those which relate to the more thorough study of blood and urine.

Throughout the laboratory work the older methods have been excluded, and those tests which are a duplication of the same principle have been reduced to minimum. Quantitative tests include only those which are representative and essential. A great deal of stress is laid upon the importance of quantitative and metabolic experiments, so that this type of work constitutes the major part of the laboratory experiments in this course.

LECTURES. The lectures precede or run parallel to the laboratory work, as far as possible. The first lectures deal with laboratory technic, the chemistry of solutions and indicators, osmosis, the chemistry of colloids, catalysis, reversible reactions, the law of mass action and a discussion of enzymes. The lectures which follow refer to the chemistry and metabolism of carbohydrates, proteins and lipins. Relatively less time is given to the discussion of the chemistry of the various foodstuffs and more to the discussion of their metabolism. In these lectures the fundamental principles (biological, physical and chemical) are emphasized, not, however, to the exclusion of the correlation of the normal and abnormal metabolism.

The final lectures relate to the discussions of the secretions, including milk, and of the blood and urine, including the metabolism of inorganic substances, salts and water.

CONFERENCES. From time to time conferences are held for the purpose of summarizing the work completed; to discuss any problems that have arisen during the course, and to review articles in journals which have a bearing on the current laboratory or lecture work.

During the second semester sections are sent to the hospital for the purpose of collecting data on special metabolic or associated conditions. This data will be presented to the class as a whole and later discussed at a special clinic conducted in the hospital by a member of the Department of Medicine in collaboration with this department.

CLINICAL INSTRUCTION

DEPARTMENT OF MEDICINE.

MAURICE C. PINCOFFS, S.B., M.D., ... Professor of Medicine
GORDON WILSON, M.D. ..... Professor of Medicine
CARY B. GAMBLE JR., A.M., M.D. ..... Professor of Medicine
STANDISH MCCLEARY, M.D .... Professor of Pathology and Clinical Medicine
JOS. E. GICHNER, M.D. ..... Professor of Clinical Medicine
CHARLES W. MCELFRESH, M.D. ..... Professor of Clinical Medicine
G. CARROLL LOCKARD, M.D. ..... Professor of Clinical Medicine
HARVY G. BECK, Sc.D., M.D. ..... Professor of Clinical Medicine
PAUL W. CLOUGH, B.S., M.D ..... Associate Professor of Medicine
C. C. W. JUDD, A.B., M.D. ..... Associate Professor of Medicine
SYDNEY R. MILLER, M.D. ..... Associate Professor of Medicine
JOHN LUTZ, A.B., M.D. ..... Associate Professor of Medicine
H. D. MCCARTY, M.D. ..... Associate Professor of Clinical Medicine
WM. H. SMITH, M.D. ..... Associate Professor of Clinical Medicine
H.J. MALDEIS, M.D. ..... Associate Professor of Medical Jurisprudence
S. LLOYD JOHNSON, A.B., M.D. ..... Assistant Professor of Medicine
R. C. METZEL, M.D ..... Associate in Clinical Medicine
W. I. MESSICK, M.D. ..... Associate in Clinical Medicine
GEORGE MCLEAN, M.D. ..... Associate in Medicine
HARRY M. STEIN, M.D. ..... Associate in Medicine
L. A. M. KRAUSE, M.D. ..... Associate in Medicine
E. E. MAYER, M.D. ..... Instructor in Medicine
D. CORBIN STREETT, M.D. ..... Instructor in Medicine
C. C. HABLISTON, M.D. ..... Instructor in Medicine
H. R. LICKLE, M.D. ..... Instructor in Medicine
J. W. MARTINDALE, M.D. ..... Instructor in Medicine
C. R. GOLDSBOROUGH, A.M., M.D. ..... Instructor in Medicine
HENRY SHEPPARD, M.D. ..... Instructor in Medicine
HERMAN SEIDEL, M.D. ..... Assistant in Medicine
WETHERBEE FORT, M.D. ..... Assistant in Medicine
EDWARD NOVAK, M.D. ..... Assistant in Medicine
F. A. RIES, M.D. ..... Assistant in Medicine
WILLIAM MICHEL, M.D. ..... Assistant in Medicine
LEON FREEDOM., M.D. ..... Assistant in Medicine
M. G. GICHNER, M.D. ..... Assistant in Medicine

GENERAL OUTLINE.

Second Year

Introduction to clinical medicine.

(a) Introductory physical diagnosis.
(1 hour a week, first semester).
(2 hours a week, second semester).

(b) Clinical lectures on pathological physiology.
(1 hour a week, second semester).

Third Year.

I. The methods of examination (13 hours a week).
(a) History taking.
(b) Physical diagnosis.
(c) Clinical pathology.
These subjects are taught and practiced in the out-patient department and in the clinical laboratory.

II. The principles of medicine (7 hours a week).
(a) Lectures, clinics and demonstrations in general medicine, neurology, pediatrics and preventive medicine.

III. The principles of therapeutics (2 hours a week).
Lectures and demonstrations in general therapeutics, physical therapeutics and materia medica.

FOURTH YEAR.

The practice of medicine.

I. Clinical clerkship on the medical wards.
(26 hours a week for ten weeks).
(a) Responsibility, under supervision, for the history, physical examination, laboratory examinations and progress notes of assigned cases.
(b) Ward classes in general medicine, the medical specialties, and therapeutics.

II. Clinics in general medicine and the medical specialties (6 hours a week).

III. Dispensary work in the medical specialties.

IV. Clinical pathological conferences (1 hour a week).

Medical Dispensary Work.

The medical dispensaries of both the Mercy and the University Hospitals are utilized for teaching in the third year. Each student spends two periods a week of two hours each in dispensary work. The work is done in groups of four to six students under an instructor. Systematic history taking is especially stressed. Physical findings are demonstrated. The student becomes familiar with the commoner acute and chronic disease processes.

Physical Diagnosis.

Second Year. Didactic lectures and practical demonstrations in topographical anatomy and normal physical signs.

THIRD YEAR. The class is divided into small groups, and each section receives instruction for four hours a week for the entire session in the medical dispensaries of the hospitals. The large clinical material of the dispensaries and hospitals is utilized to give each student the opportunity to familiarize himself with the common types of bodily structure, with the normal variations in physical signs and with the physical signs of the chief pulmonary circulatory and abdominal diseases.

Tuberculosis.

During the third year in connection with the instruction in physical diagnosis a practical course is given weekly to sections of the class at the Municipal Tuberculosis Hospital. Stress is laid upon the recognition of the physical signs of the disease, as well as upon its symptomatology and gross pathology.

Therapeutics.

THIRD YEAR. General therapeutics and materia medica are taken up and an effort is made to familiarize the student with the practical treatment of disease. The special therapy of the chief diseases is then reviewed. Two hours a week. Dr. Lockard.

The principles of physical therapy are taught in a special lecture and demonstration course consisting of six one-hour periods. Dr. Gichner.

FOURTH YEAR. Special consideration is given to the practical application of therapeutic principles in bedside teaching and the chief therapeutic methods are demonstrated.

CLINICAL PATHOLOGY.

JOHN LUTZ, M.D.----------Associate Professor of Medicine
H. J. MALDEIS, M.D.----------Associate Professor of Medical Jurisprudence
L. A. M. KRAUSE, M.D.----------Associate in Medicine
C. R. GOLDSBOROUGH, M.D.----------Instructor in Medicine
M. G. GICHNER, M.D.----------Assistant in Medicine

During the third year the student is thoroughly drilled in the technique of the usual clinical laboratory work, so that he is able to perform all routine examination which may be called for during his fourth year, in connection with the work in the wards and dispensary.

The practical work is supplemented by a series of didactic lectures and demonstrations in which the entire teaching staff of the department takes an active part. The microscopical and chemical study of blood, exudates and transudates, gastric juice, spinal fluid, feces and urine are successively taken up, and special attention directed to the clinical significance of the findings.

Clinical parasitology from the standpoint of the infecting agent and the carrier is given careful consideration.

The entire course is thoroughly practical. Each student is provided with a microscope, blood counters and hemoglobinometer for his exclusive use, and every two students with a special laboratory outfit for all routine purposes.

During the fourth year the student applies what he has learned during the preceding year in the laboratories of the various affiliated hospitals. He is also supplied with a laboratory outfit which is sufficiently complete to enable him to work independently of the general equipment. Special instructors are available during certain hours to give necessary assistance and advice.

GASTRO-ENTEROLOGY.

JULIUS FRIEDENWALD, A.M., M.D.----------Professor of Gastro-Enterology
T. FRED LEITZ, M.D.----------Clinical Professor of Gastro-Enterology
J. HARRY ULLRICH, M.D.----------Associate in Gastro-Enterology
THEODORE H. MORRISON, M.D.----------Associate in Gastro-Enterology
MAURICE FELDMAN, M.D.----------Instructor in Gastro-Enterology
JOSEPH SINDLER, M.D.----------Assistant in Gastro-Enterology
Z. MORGAN, M.D.----------Assistant in Gastro-Enterology
M. S. KOPPELMAN, M.D.----------Assistant in Gastro-Enterology
N. J. DAVIDOF, M.D.----------Assistant in Gastro-Enterology
ALBERT EISENBERG, M.D.----------Assistant in Gastro-Enterogloy
PAUL F. WIEST, M.D.----------Assistant in Gastro-Enterology
I. S. ZINBERG, M.D.----------Assistant in Gastro-Enterology
W. E. GREMPLER, M.D.----------Assistant in Gastro-Enterology

FOURTH YEAR. Clinic recitations and demonstrations to the class for one hour a week throughout the session. Dispensary instruction to small groups throughout the entire session. Practical instruction in the differential and clinical diagnosis and demonstrations of the newer methods of diagnosis in gastro-intestinal affections.

PSYCHIATRY.

R. M. CHAPMAN, M.D.----------Professor of Psychiatry
PAUL E. EWERHARDT, M.D.----------Associate in Psychiatry

THIRD YEAR. In the third year the student attends fifteen clinical lectures and five clinics which are designed to be introductory to the more intensive work in psychiatry in the fourth year.

FOURTH YEAR. The class is divided into sections for clinical conferences on selected groups of cases. Each student works

for a short period as assistant in the Mental Hygiene Clinic and thus gains practical experience of the problems of history taking, examination, and the care of psychiatric patients.

PEDIATRICS.

JOHN RUHRAH, M.D.	Professor of Pediatrics
CHARLES L. SUMMERS, M.D.	Professor of Pediatrics
EDGAR B. FRIEDENWALD, M.D.	Clinical Professor of Pediatrics
C. LORING JOSLIN, M.D.	Assistant Professor in Pediatrics
W. H. INGRAM, M.D.	Associate in Pediatrics
H. H. WARNER, M.D.	Associate in Pediatrics
W. J. TODD, M.D.	Instructor in Pediatrics
JOHN H. TRABAND, M.D.	Instructor in Pediatrics
WILLIAM F. GEYER, M.D.	Instructor in Pediatrics
BERNARD J. FERRY, M.D.	Assistant in Pediatrics
CHARLES GOLDSBOROUGH, M.D.	Assistant in Pediatrics
GEORGE E. WELLS, M.D.	Assistant in Pediatrics
E. C. REITZEL, M.D.	Assistant in Pediatrics
F. STRATNER OREM, M.D.	Assistant in Pediatrics
CLARENCE E. MACKE, M.D.	Assistant in Pediatrics
H. WHITNEY WHEATON, M.D.	Assistant in Pediatrics
ROBERT S. KIRK, M.D.	Assistant in Pediatrics
P. ARTIGIANI, M.D.	Assistant in Pediatrics
H. J. DORF, M.D.	Assistant in Pediatrics
D. H. LAWLER, M.D.	Assistant in Pediatrics
H. R. LICKLE, M.D.	Assistant in Pediatrics
I. J. FEINGLOS, M.D.	Assistant in Pediatrics

THIRD YEAR. Instruction during the third year consists of one lecture each week in which infant feeding and the most important diseases of infancy and childhood are especially emphasized. Drs. Ruhrah and Summers.

FOURTH YEAR. During this year a weekly clinical lecture is given where the character of disease is fully demonstrated and the students are afforded an opportunity for personal examination of all cases. In addition ward classes are held weekly where bedside instruction is given. A section of the class also works daily at the Babies' and Children's Clinic. This clinic, which is under the direction of Dr. Summers, has a yearly attendance of more than fifteen thousand, and offers an excellent opportunity for study and observation of a wide variety of cases under competent instructors.

Instruction is also given in the Children's Dispensary at the Mercy Hospital.

NEUROLOGY.

IRVING J. SPEAR, M.D.----------Professor of Neurology
ANDREW C. GILLIS, A.M., M.D.----------Professor of Neurology
G. M. SETTLE, A.B., M.D.----------Associate Professor of Neurology
BENJAMIN PUSHKIN, M.D.----------Instructor in Neurology
MILTON LEVY, M.D.----------Instructor in Neurology
J. A. SKLADOWSKY, M.D.----------Assistant in Neurology

THIRD YEAR. Lectures and recitations two hours each week to entire class throughout one semester. This course comprises the study of the anatomy and physiology of the nervous system, the method of neurological examination, and relationship of signs and symptoms to pathological conditions. The material at University and Mercy Hospitals is available.

Clinical Conference, one hour each week to the entire class. This subject is taught at the University and Mercy Hospitals. All cases presented at these clinics are carefully examined; complete written records are made by the students who demonstrate the cases before the class. These cases are usually assigned one or two weeks before they are presented, and each student in the class must prepare one or more cases during the year.

Ward Class Instruction. In small sections at the University and Mercy Hospitals. In these classes the students come in close personal contact with the cases in the wards under the supervision of the instructor.

Dispensary Instruction. Small sections are instructed in the dispensaries of the University and Mercy Hospitals four afternoons each week. In this way students are brought into contact with nervous diseases in their earlier as well as later manifestations.

HYGIENE AND PREVENTIVE MEDICINE.

C. HAMPSON JONES ,M.D., C.M.----------Professor of Hygiene and Public Health

THIRD YEAR. Two lectures a week throughout the session. The lectures will encompass the fundamental subjects: Air, Water, Soil, Food, Disposal of Wastes, Communicable Diseases, State and Federal Public Health Laws, and Industrial Diseases.

MEDICAL JURISPRUDENCE.

H. J. MALDEIS, M.D.----------Associate Professor of Medical Jurisprudence
Baltimore City Post Mortem Physician

FOURTH YEAR. One hour each week for one semester.

Inasmuch as Medical Jurisprudence teaches the application of every branch of medical knowledge to the needs of the law, civil or

criminal, this course embraces the following:—Proceedings in criminal and civil prosecution; medical evidence and testimony; identity in its general relations; sexual abnormalities; personal identity; impotence and sterility; rape; criminal abortions; signs of death; wounds in their medico-legal relations; death, natural and homicidal; malpractice; insanity and medico-legal autopsies.

DEPARTMENT OF SURGERY.

ARTHUR M. SHIPLEY, Sc.D., M.D.---Professor of Surgery
ARCHIBALD C. HARRISON, M. D.---Professor of Surgery
ALEXIUS MCGLANNAN, A.M., M.D.---Professor of Surgery
JOSEPH H. BRANHAM, M.D.---Professor of Clinical Surgery
NATHAN WINSLOW, A.M., M.D.---Clinical Professor of Surgery
PAGE EDMUNDS, M.D.---Clinical Professor of Industrial Surgery
WALTER D. WISE, M.D.---Clinical Professor of Surgery
JOSEPH W. HOLLAND, M.D.---Clinical Professor of Surgery
J. C. LUMPKIN, M.D.---Clinical Professor of Surgery
H. C. BLAKE, M.D.---Associate Professor of Clinical Surgery
FRANK S. LYNN, M.D.---Associate Professor of Surgery
ELLIOT H. HUTCHINS, A.M., M.D.---Associate Professor of Surgery
THOMAS R. CHAMBERS, A.M., M.D.---Associate Professor of Surgery
R. W. LOCHER, M.D.---Associate Professor of Operative and Clinical Surgery
E. H. HAYWARD, M.D.---Associate in Surgery
FRANK J. KIRBY, M.D.---Associate in Surgery
CHARLES REID EDWARDS, M.D.---Associate in Surgery
F. L. JENNINGS, M.D.---Instructor in Surgery
A. M. EVANS, M.D.---Instructor in Surgery
H. M. FOSTER, M.D.---Instructor in Surgery
E. S. JOHNSON, M.D.---Instructor in Surgery
F. X. KEARNEY, M.D.---Assistant in Surgery
G. W. BOWDEN, M.D.---Assistant in Surgery
DWIGHT MOHR, M.D.---Assistant in Surgery
AMOS HUTCHINS, M.D.---Assistant in Surgery
C. A. REIFSCHNEIDER, M.D.---Assistant in Surgery
WM. R. GERAGHTY, M.D.---Assistant in Surgery
S. DEMARCO, M.D.---Assistant in Surgery
O. H. LLOYD, M.D.---Assistant in Surgery
CLYDE MARVEL, M.D.---Assistant in Surgery
EVERARD BRISCOE, M.D.---Assistant in Surgery
I. O. RIDGELY, M.D.---Assistant in Surgery
H. B. MCELWAIN, M.D.---Assistant in Surgery
C. F. HORINE, M.D.---Assistant in Surgery
D. J. PASSAGNO, M.D.---Assistant in Surgery

The teaching is in the Anatomical Laboratory and the dispensaries, wards, clinical laboratories and operating rooms of the University and Mercy Hospitals, and in the wards and dead-house of the Municipal Hospitals at Bay View.

Instruction is given by means of lectures, recitations, dispensary work, bedside instruction, ward classes, and clinics. The work begins in the second year, and continues throughout the third and fourth years.

Second Year.

Topographic and Surgical Anatomy. 10 hours a week for the first semester. The course is designed to bridge the gap between anatomy in the abstract, and clinical anatomy as applied to the study and practice of medicine and surgery.

The teaching is done in the anatomical laboratory, and students are required to demonstrate all points, outlines, and regions on the cadaver. Underlying regions are dissected when necessary to bring out outlines and relations of structures. Didactic lectures two hours weekly, augmented by demonstrations with specimens, charts, and cross-sections. Dr. Holland, assisted by Drs. Reifschneider, Foster, J. Mason Hundley, Jr., and Reitzel.

Surgical Technique. The course includes history taking, first aid treatment, demonstration of use of tourniquet and other emergency appliances and surgical dressings, bandages, plaster, adhesive plaster, suture material, solutions; their preparation and use.

It includes also inflammation and suppuration, ulcers, gangrene, fistulae, sinuses, non-operative therapeusis, asepsis and antisepsis, the study of circulatory and respiratory failure, preparation of patients, dummy operations and written description of operation, splints, bed frames, bone plates, grafts and local anaesthesia.

Lectures and conferences two hours a week for one semester. Dr. Edwards.

Third Year.

General and Regional Surgery. Principles of surgery and general surgery, three hours a week throughout the year to the entire class, lectures, recitations and clinics. Dr. Shipley.

The class is divided into groups and receives instruction in history-taking, gross pathology, and surgical diagnosis—at the bedside and in the deadhouse of the Municipal Hospitals at Bay View. Drs. Shipley and Lynn.

Operative Surgery. Instruction is given in operative surgery upon the cadaver and on dogs. The class is divided into sections, and each section is given practical and individual work under the supervision of the instructors. Dr. Frank S. Lynn, assisted by

Drs. Nathan Winslow, Locher, Hayward, E. S. Johnson, Edwards, Foster, Reifschneider, Geraghty, Demarco, Kearney, Briscoe and Horine.

Fractures and Dislocations. Twenty-four hours to the entire class. This course consists of instruction in the various forms of fractures and dislocations and their treatment, and serves as a preparatory course for clinical work. Dr. Wise.

Surgical Dispensary. Under supervision, the student takes the history, makes the physical examinations, attempts the diagnosis, and, as far as possible, carries out the treatment of the ambulatory surgical cases in the University and Mercy Hospitals. Mercy Hospital—Drs. Amos Hutchins, A. M. Evans, Dwight Mohr, Kearney, Marvel, Ridgely and Passagno. University Hospital—Drs. Holland, Lynn, Nathan Winslow, Edwards, E. S. Johnson and Foster.

Fourth Year.

Clinics. A weekly clinic will be given at the Mercy and University Hospitals to one-half the class throughout the year. As far as possible this is a diagnostic clinic. Mercy Hospital—Drs. Harrison and McGlannan. University Hospital—Dr. Shipley.

Surgical Pathology. A weekly exercise of one hour at Mercy Hospital for one semester, at which specimens from the operating-room and museum are studied in the gross and microscopically, in relation with the case history. Dr. McGlannan.

Industrial Surgery. Operative and post-operative treatment of accident cases, with instructions as to the relationship between the state, the employee, and employer, and the physician's duty to each. One hour a week to sections of the class throughout the year. Dr. Edmunds.

Clinical Clerkship. The personal study of assigned hospital patients, under supervision of the staffs of University and Mercy Hospitals, history taking, and physical examination of patients, laboratory examinations, attendance at operations and observation of post-operative treatment.

Ward Classes. Ward class instruction in small groups, will consist of ward rounds, surgical diagnosis, treatment and the after care of operative cases. Mercy Hospital—Drs. Harrison, McGlannan, Wise, Elliot Hutchins, Evans and Locher. University—Drs. Shipley, Holland, Edmunds, Lynn and Edwards.

ANAESTHESIA.

Second Year.

Lectures on history of anaesthesia, general physiology of inhalation of anaesthetics, special physiology of each anaesthetic, methods of administration, inhalation, colonic, intravenous, complications and preventive methods, including artificial respiration and post-anaesthesia treatment of patients. One hour weekly for one semester. Dr. S. Griffith Davis.

Anaesthesia in obstetrics, one lecture. Dr. J. McF. Bergland.

Fourth Year.

During the clinics and operations before small groups, each student will be required to administer anaesthetic under the direction of an instructor. University Hospital—Drs. Queen and Moore. Mercy Hospital—Drs. Kearney and Ridgely.

DERMATOLOGY.

T. Casper Gilchrist, M.R.C.S , L.S.A., M.D.....Professor of Dermatology
Melvin Rosenthal, M.D.....Associate Professor of Dermatology
John R. Abercrombie, A.B., M.D.....Associate in Dermatology
Harry M. Robinson, M.D.....Associate in Dermatology
Joseph E. Gately, M.D.....Instructor in Dermatology
John A. Buchness, M.D.....Assistant in Dermatology

Clinical conferences one hour each week to entire class. This course will consist of demonstrations of the common diseases of the skin. Dr. Gilchrist.

Dispensary instruction, University Hospital, Mondays, Wednesdays and Fridays in the diagnosis and treatment of the common skin diseases. Drs. Abercrombie, Robinson and Gately. Dispensary instruction, Mercy Hospital. Dr. Rosenthal.

ORTHOPAEDIC SURGERY.

R. Tunstall Taylor, A.B., M.D.,.....Professor of Orthopedic Surgery
Albertus Cotton, A. M., M.D..... Professor of Orthopedic Surgery
Compton Riely, M.D.....Clinical Professor of Orthopedic Surgery
W. H. Daniels, M.D.....Demonstrator in Orthopedic Surgery
W. Arthur Darby, M.D.....Demonstrator in Orthopedic Surgery
H. L. Wheeler, M.D.....Demonstrator in Orthopedic Surgery

In this course didactic, clinical, bedside and out-patient instruction will be given. This instruction is provided in the University Hospital Amphitheater and Dispensary, Mercy Hospital and Dis-

pensary and Kernan Hospital and Industrial School for Crippled Children at "Radnor Park," and in the Dispensary of same at 620 West Lombard Street.

Lectures, clinics and quizzes will be held at each of the hospitals once a week. In addition, a weekly bedside clinic will be held for small sections of the class at "Radnor Park."

The course will cover instruction in special methods and in struments required in this surgical specialty, including X-Ray technicque; Wolff's law; tuberculosis of bones and joints; deformities of the feet; non-tuberculous deformities of the feet and joints; the paralyses; the bursal, tendinous and muscular conditions producing orthopedic affections; rickets; scurvy; osteomalacia; chondro-dystrophies; wry-neck and the use and application of orthrpedic apparatus.

ROENTGENOLOGY AND RADIOTHERAPY.

HENRY J. WALTON, M.D.----------Professor of Roentgenology
ALBERTUS COTTON, M.D.----------Professor of Roentgenology
JOHN EVANS, M.D.----------Associate Professor of Roentgenology
CHARLES REID EDWARDS, A.B., M.D.----------Associate in Radio Therapy

Instruction is given in the history, physics, and practical application of Roentgen Rays and Radium. Especial effort is made to demonstrate the use of the Roentgen Ray in diagnosis by instruction in both fluoroscopy and plate reading. The sections of the fourth year class receive two hours instruction each week.

The student is also taught the practice, application of Radium and Roentgen rays as therapeutic agents. In the X-ray laboratory and in the hospital wards students are shown the use of these agents in the treatment of disease.

DISEASES OF THE THROAT AND NOSE.

EDWARD A. LOOPER, M.D., Clinical Professor of Diseases of the Throat and Nose
FRANK DYER SANGER, M.D.----------Professor of Diseases of the Throat and Nose
GEORGE W. MITCHELL, M.D.,
Associate Professor of Diseases of the Throat and Nose
GEORGE MURGATROYD, M.D.----Associate in Diseases of the Throat and Nose
W. F. ZINN, M.D.----------Associate in Diseases of the Throat and Nose
FRANK B. ANDERSON, M.D.----Instructor in Diseases of the Throat and Nose
R. F. MCKENZIE, M.D.----------Instructor in Diseases of the Throat and Nose

THIRD YEAR. Instruction to entire class is given in the common diseases of the nose and throat, attention being especially directed to infections of the accessory sinuses, the importance

of focal infections in the etiology of general diseases, modern methods of diagnosis. Lectures illustrated by lantern slides. Dr. Looper.

FOURTH YEAR. Dispensary Instruction daily to small sections at the University and Mercy Hospitals. The student is given opportunity to study, diagnose and treat practical cases under an Instructor. Ward classes and clinical demonstrations are given one and one-half hours throughout the session in the University and Mercy Hospitals.

GENITO-URINARY DISEASES.

ANTON G. RYTINA, A.B., M.D.---Professor of Genito-Urinary Diseases
HARRIS GOLDMAN, M.D.---Associate in Genito-Urinary Diseases
W. H. TOULSON, M.D.---Associate in Genito-Urinary Diseases
A. J. GILLIS, M.D.---Instructor in Genito-Urinary Diseases
WILFRED A. COUNCILL, M.D.---Instructor in Genito-Urinary Diseases
AMOS F. HUTCHINS, M.D.---Instructor in Genito-Urinary Diseases
AUSTIN H. WOOD, M.D.---Instructor in Genito-Urinary Diseases
L. K. FARGO, M.D.---Assistant in Genito-Urinary Diseases
H. C. KNAPP, M.D.---Assistant in Genito-Urinary Diseases
H. T. COLLENBERG, M.D.---Assistant in Genito-Urinary Diseases
J. H. COLLINSON, M.D.---Assistant in Genito-Urinary Diseases
MILTON C. LANG, M.D.---Assistant in Genito-Urinary Diseases
VICTOR RICHARDS, M.D.---Assistant in Genito-Urinary Diseases

Instruction in Genito-Urinary Surgery is given to the members of the senior class, from both the practical and didactic standpoint. The course includes everything pertaining to modern urology. such as urethroscopy, cystoscopy, ureter catheterization, renal functional tests, X-ray, pyelography, blood urea estimations, etc,

The teaching consists of clinics in the amphitheater, ward rounds and attendance by members of the senior class upon out-patients in the dispensary. In the latter department there were about 30,000 visits made during the past year. Ample facilities are afforded the students to see a large variety of every type of venereal disease. They are first instructed in the methods of taking a genito-urinary history, are shown the technique of urethroscopy, cystoscopy, urethral instrumentation, prostatic massage, demonstrations of the spirocheta pallida, and administration of arsphenamine.

DISEASES OF THE COLON AND RECTUM.

G. Milton Linthicum, A.M., M.D.,
Professor of Diseases of Rectum and Colon
Charles F. Blake, M.D.....Professor of Diseases of Rectum and Colon
J. Dawson Reeder, M.D.,
Associate Professor of Diseases of Rectum and Colon

Fourth Year. This course is for instruction in diseases of the Colon, Sigmoid Flexure, Rectum and Anus, and will cover the essential features of the Anatomy and Physiology of the large intestine, as well as the various diseases to which it is subject. The importance of diseased conditions and malpositions of the intestines, in relation to systemic disturbances, will be emphasized by demonstrations.

In small groups, the students will be taken into the wards and dispensaries of the University and Mercy Hospitals, where different phases of the various diseases will be taught by direct observation and examination. The use of the proctoscope and sigmoidoscope in examination of the rectum and sigmoid will be made familiar to each student.

A course in Proctoscopy may be given in the City Hospitals at Bay View, where abundance of material is always obtainable.

DEPARTMENT OF OBSTETRICS.

J. M. H. Rowland, M.D.....Professor of Obstetrics
George W. Dobbin, M.D.....Professor of Obstetrics
Bernard Purcell Muse, M.D.....Professor of Clinical Obstetrics
Charles E. Brack, M.D.....Clinical Professor of Obstetrics
L. H. Douglass, M.D.....Associate Professor of Obstertics
J. McF. Bergland.....Associate Professor of Obstetrics
H. S. Gorsuch, M.D.....Associate in Obstetrics
Thomas K. Galvin, M.D. .....Associate in Obstetrics
E. P. Smith, M.D.....Associate in Obstetrics
Emil Novak M.D.....Associate in Obstetrics
F. H. Machin, M.D.....Assistant in Obstetrics
J. G. M. Reese, M.D.....Assistant in Obstetrics
Susanne R. Parsons, A.M., M.D., Ph.D.....Assistant in Obstetrics
Dudley Pleasants Bowe, B.A., M.D.....Assistant in Obstetrics
Stanley W. Mathews, M.D.....Assistant in Obstetrics
J. G. Murray, A.B., M.D.....Assistant in Obstetrics
Maurice Lazenby, M.D.....Assistant in Obstetrics

Third Year. Three lectures and recitations each week by Drs. Dobbin and Bergland to entire class. Manikin Work, Drs. Brack, Galvin and Smith to sections of class at Mercy Hospital, and Drs. Douglass, Reese, Matthews, Bowe, Machin, Gorsuch, Parsons and Rowland at University Hospital.

FOURTH YEAR. Clinical Conference. One hour each week for one semester to University Hospital section. Drs. Rowland, Douglass and Murray.

Ward Classes. Six hours per week for five weeks to sections of class at University Hospital. Drs. Reese, Gorsuch, Parsons, Machin and Rowland.

DEPARTMENT OF GYNECOLOGY.

WILLIAM S. GARDNER, M.D.---Professor of Gynecology
J. MASON HUNDLEY, M.D.---Professor of Clinical Gynecology
W. B. PERRY, M.D.---Professor of Clinical Gynecology
HUGH BRENT, M.D.---Associate Professor of Gynecology
ABRAHAM SAMUELS, M.D.---Associate Professor of Gynecology
GEO. A. STRAUSS, M.D.---Associate in Gynecology
R. G. WILLSE, M.D.---Associate in Gynecology
T. K. GALVIN, M.D.---Assistant in Gynecology
JACK M. HUNDLEY, M.D.---Assistant in Gynecology

THIRD YEAR. *Didactic Work.* A course of thirty lectures and recitations in the second semester.

Clinical Work. Six hours weekly for one trimester. In this course the student writes the clinical history of each patient in the ward, makes a general physical examination, including the blood and urine, before the patient is brought before the class. One student under supervision gives the anaesthetic, a pelvic examination is made by six students, and any operation required is then done before a section of the class small enough to see clearly what is being done and how it is done. On a subsequent day the whole group examine microscopically sections prepared from material removed from patients that have been before them.

DEPARTMENT OF OPHTHALMOLOGY AND OTOLOGY.

HARRY FRIEDENWALD, A.B., M.D.---Professor of Ophthalmology and Otology
J. W. DOWNEY, M.D.---Clinical Professor of Otology
CLYDE A. CLAPP, M.D.---Associate Professor of Ophthalmogy
M. RANDOLPH KAHN, M.D.---Associate Professor of Ophthalmogy
H. K. FLECK, M.D.---Associate in Ophthalmogy
JOSEPH I. KEMLER, M.D.---Associate in Ophthalmogy
E. A. KNORR, M.D.---Associate in Ophthalmogy

THIRD YEAR. *Course in Diseases of the Eye.* October 2nd to January 18th. Dr. Harry Friedenwald.

Course in Diseases of the Ear, October 2nd to January 18th. Dr. Downey.

Practical Course in Ophthalmoscopy, once weekly, in sections. Drs. Fleck and Kemler.

FOURTH YEAR. *Clinics in Diseases of the Eye and Ear,* weekly. Drs. Harry Friedenwald and Downey.

Ward Studies of ocular and oral lesions associated with general medical diseases, once weekly in sections. Drs. Clapp and Downey.

Dispensary Instruction, daily in small sections. Drs. Kahn and Knorr.

The courses in Ophthalmology and Otology are designed to familiarize the students with the common diseases of the eye and ear, their recognition and treatment, with a view to meet the needs of the general practitioner. Special emphasis is laid upon the relation between diseases of the eye and the ear and systemic diseases and diseases of other organs.

FIRST YEAR SCHEDULE—FIRST SEMESTER.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
A. M. 9 to 10.	Histology and Embryology Laboratory				Histology.	Dissecting
10 to 11					Embryology.	
11 to 11.30	Transfer	Histology	Transfer.	Histology and Embryology Laboratory.	Transfer.	
11.30 to 12	11:30 to 12:30 Physiology		11.30 to 12.30 Physiology.		11:30 to 12:30 Physiology.	
P. M. 12 to 1.	Lunch.	Lunch and Transfer.	Lunch.	Lunch and Transfer.	Lunch.	
1 to 2.						
2 to 5.	Anatomy.		and		Dissecting.	

Classes in Anatomy, Dissecting, and Physiology at Lombard and Greene Streets; all other classes at Calvert and Saratoga Streets.

FIRST YEAR SCHEDULE—SECOND SEMESTER.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
A. M. 8.30 to 9.30.	Histology and Embryology Laboratory				Bacteriology	Dissecting
9.30 to 10.30					Embryology	
10.30 to 11. 30.	Physiology.	Histology.	Physiology.	Bacteriology.	Physiology.	
11.30 to 12.00.	Lunch.					
P. M. 12 to 2.	Bacteriology.		Laboratory.			
2 to 2.30.	Transfer.					
2.30 to 5.30.	Anatomy.		and		Dissecting.	

Classes in Anatomy and Dissecting at Lombard and Greene Streets; all other classes at Calvert and Saratoga Streets.

SECOND YEAR SCHEDULE—FIRST SEMESTER.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
A. M. 8.30 to 9.30	Physiology.	Laboratory. Physiology, Section A. Biological Chemistry, Section B.	Physiology.	Laboratory. Physiology. Section B. Biological Chemistry. Section A.	Pharmacology	Physiology.
9.30 to 10.30.	Biological Chemistry.		Biological Chemistry.		Biological Chemistry,	Pharmacology.
10.30 to 11.30.	Pathology.		Pharmacology		Pathology.	Pathology.
11.30 to 12.30.	Lunch.	Lunch and Transfer Period.				
P. M. 12.30 to 1.30.	Laboratory.	Laboratory:	Laboratory:	Immunology.	Immunology.	
1.30 to 2.30.	Pharmacology.	Immunology and Serology.	Immunology and Serology.	Surgery.	Medicine.	
2.30 to 3.30.				Surgical Anatomy.	Surgical Anatomy.	
3.30 to 4.30.	Neural Anatomy.	Surgical Anatomy.	Surgical Anatomy.			
4.30 to 5.30.						

Classes on Tuesdays, Wednesdays, Thursdays and Fridays from 12.30 to 5.30, at Calvert and Saratoga Streets: all other classes at Lombard and Greene Streets.

SECOND YEAR SCHEDULE—SECOND SEMESTER.

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
A. M. 8.30 to 9.30.	Physiology.	Laboratory: Physiology, Section A. Biological Chemistry, Section B.	Physiology.	Laboratory: Physiology, Section B. Biological Chemistry, Section A.	Pharmacology	Physiology.
9.30 to 10.30.	Biological Chemistry.		Biological Chemistry.		Biological Chemistry.	Pharmacology.
10.30 to 11.30.	Pathology.		Pharmacology.		Pathology.	Pathology.
11.30 to 12.00.	Lunch.					Lunch.
P. M. 12 to 1.	Pathological Laboratory.					Medical Clinic. Surgery.
1 to 2.	Laboratory: Pharmacology, Section A. Biological Chemistry, Section B.	Laboratory: Pharmacology, Section A. Physiology, Section B.	Physical Diagnosis.	Laboratory. Pharmacology Section B. Physiology, Section A.	Laboratory: Pharmacology, Section B. Biological Chemistry. Section A.	
2 to 3.						
3 to 4.						
4 to 5.						

All classes at Lombard and Greene Streets.

THIRD YEAR SCHEDULE.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
A. M. 8.30 to 9.30	Medicine.	Pathology.	Therapeutics.	Surgery.	Pathology.	Surgery,
9.30 to 10.30.	Pediatrics.	Surgery.	Obstetrics.	Medicine.	Therapeutics.	Medicine.
10.30 to 1.30	Physical Diagnosis. Operative Surgery. Dispensary. Lunch and Transfer.	Physical Diagnosis. Operative Surgery. Dispensary. Lunch and Transfer.	Physical Diagnosis. Operative Surgery. Dispensary. Lunch and Transfer.	Physical Diagnosis. Operative Surgery. Dispensary. Lunch and Transfer.	Physical Diagnosis. Operative Surgery. Dispensary. Lunch and Transfer.	Physical Diagnosis. Operative Surgery. Dispensary. Lunch and Transfer.
P. M. 1.30 to 2.30.	Medical Clinic.	Obstetrics.	Section A. Clinical Medicine & Surgery, Gross Pathology, at Bay View Section B. 1.30 to 2.30, Group Work in Ophthalmoscopy.	Obstetrics.	Neurology	Gynecology.
2.30 to 4.30.	Pathology. Laboratory.	Pathology. Laboratory.		Clinical Pathology Laboratory.	Clinical Pathology Laboratory	Section B. Clinical Medicine & Surgery, Gross Pathology, at Bay View. Section A. 1.30 to 2.30, Group Work in Ophthalmoscopy.
4.30 to 5.30.	Preventive Medicine.	Eye and Ear—Oct. 2 to Jan. 18. Physical Therapeutics—Jan. 22-Feb. 22. Fractures—Feb. 26-May 31.		Eye & Ear—Oct. 2 to Jan. 18. Physical Therapeutics—Jan. 22-Feb. 22. Fractures—Feb. 26 May 31.	Preventive Medicine.	

From 10.30 A. M. to 1.30 P. M. the class is divided into two sections, one section reporting at Calvert and Saratoga Streets, the other at Lombard and Greene Streets.

Classes on Thursdays, Fridays, from 1.30 to 5.30, and Saturdays, 1.30 to 2.30, at Calvert and Saratoga Sts.

FOURTH YEAR SCHEDULE.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
A. M. 8.30 to 11.00.	Ward Classes Medicine, Surgery, Obstetrics	Ward Classes Medicine, Surgery. Gynecology.	Ward Classes Medicine, Obstetrics. Surgery, 10-11.	Ward Classes Medicine, Surgery, Gynecology,	Ward Classes Medicine, Surgery.	Ward Classes Medicine, Surgery, Gynecology.
11.00 to 12.00.	Orthopedic Surgery.	Medical Clinic (University) Surgical Path. (Mercy).	Clinical Pathological Conference.	Surgical Clinic	Medical Clinic.	Pediatrics Clinic.
P. M. 12.00 to 2.00.	Dispensary Lunch and Transfer.	Dispensary and Lunch.	Dispensary and Lunch and Transfer.	Dispensary and Lunch	Dispensary, Lunch and Transfer.	Dispensary Lunch and Transfer.
2.00 to 3.00.	Dermatology Clinic (Full class at Univ. Hosp.)	Neurology Clinic	Eye and Ear Clinic (Full class at Univ. Hosp.)	Genito-Urinary Clinic (Mercy) Obstetric Clinic (University Hosp.)	Gastro-Enterology Clinic. (Full class at Univ. Hosp.)	Psychiatry Clinic (Full class at Univ. Hosp.).
3 00 to 4.30.	Ward Classes Medicine, Urology. Eye & Ear.	Ward Classes Medicine. Proctology. Pediatrics.	Ward Classes Medicine. Nose & Throat. Obstetrics.	Ward Classes Medicine. Orthopedic Surgery. Obstetrics.	Ward Classes Medicine. X-Ray. Neurology.	
4.30 to 5.30.	Preventive Medicine.	Gynecology.			Preventive Medicine.	

The Senior class is divided into two sections, which report, one at Lomard and Greene Streets, the other at Calvert and Saratoga Streets, for one semester each, rotate at the end of the first semester on January 29th 1924.

Each section of the class is divided into three groups—Medical, Surgical, and Special. These groups will rotate on the following dates:

FIRST SEMESTER

1st period, Oct. 2 to Nov. 4.
2nd. period, Nov 6 to Dec. 9.
3rd period, Dec. 10 to Jan. 27.

SECOND SEMESTER.

1st period, Jan. 29 to Mar. 3.
2nd period, Mar. 5 to Apr. 7.
3rd period, Apr. 9 to May 26.

THE UNIVERSITY HOSPITAL SCHOOL OF NURSING.

FACULTY AND INSTRUCTORS.

Superintendent of Nurses and Director of School of Nursing—
ANNIE CRIGHTON, R.N.

Assistant Superintendent of Nurses—
STELLA U. RICKETTS, R.N.

Instructor in Nursing—
JANET NESBITT SMITH, R.N.

Instructor in Nursing and Supervisor of Wards—
EVA FISCHER, R.N.

Instructor in Surgical Technique for Nurses
and
Supervisor of Operating Pavilion—
ELIZABETH AITKENHEAD, R.N.

Instructor in Dietetics—
MIRIAN CONNELLY

Instructor in Massage—
EDITH WALTON

Instructor in Social Service—
GRACE PEARSON, R.N.

RUTH CLEMENTS, R.N.---Night Supervisor
MARY E. ROLPH, R.N.---Supervisor—Nurses Home
JANE MOFFAT, R.N.---Supervisor—Dispensary
FRANKIE MORRISON, R.N.---Head Nurse—Obstetrical Ward
MARGARET LAUPER, R.N.---Head Nurse—Men's Medical Ward
BESSIE MASTON, R.N.---Head Nurse—Men's Surgical Ward
ELEANOR BUTLER, R.N.---Head Nurse—Accident Ward
GRACE ELGIN, R.N.
Head Nurse—Women's. Medical, Surgical and Gynecological Ward
BLANCHE HOFFMASTER, R.N.---Head Nurse—Private Hall

LECTURERS FROM THE SCHOOL OF MEDICINE.

Anatomy and Physiology
JOSEPH W. HOLLAND, M.D.

Bacteriology
F. W. HACHTEL, M.D.

Materia Medica
C. C. HABLISTON, M.D.

Medicine
MAURICE C. PINCOFFS, M.D.
JOSEPH E. GICHNER, M.D. H. M. STEIN, M.D.
LOUIS KRAUSE, M.D. J. HARRY ULLRICH, M.D.

Pediatrics
CHARLES L. SUMMERS, M.D.

Psychiatry and Neurology
G. M. SETTLE, M.D.

Skin and Venereal Diseases
HARRY M. ROBINSON, M.D.

Otology and Ophthalmology
HARRY FRIEDENWALD, M D.

Surgery
ARTHUR M. SHIPLEY, M.D.

Laryngology and Rhinology
E. A. LOOPER, M.D.

Gynecology
HUGH BRENT, M.D.

Orthopedic Surgery
R. TUNSTALL TAYLOR, M.D.

Obstetrics
H. L. DOUGLASS, M.D.
Social Service
Special Lecturers.

STUDENTS ENROLLED 1922-1923.

Seniors	22
Intermediates	36
Juniors and Preparatory	31
Total	89

GENERAL STATEMENT.

The University of Maryland School for Nurses was established in the year 1889.

Since that time it has been an integral part of the University Hospital, coming under the same government.

The school is non-sectarian, the only religious services being morning prayers.

The University Hospital is a general hospital containing about 250 beds. It is equipped to give young women a thorough course of instruction and practice in all phases of nursing including experience in the operating room.

The school offers the student nurse unusual advantages in its opportunity for varied experience and in its thorough curriculum taught by best qualified instructors and members of the Medical Staff of the University.

ADMISSION—Requirements: In order to become a candidate for admission to the Training School, application must be made in person or by letter, to the Superintendent of Nurses. An application by letter should be accompanied by a statement from a clergyman testifying to good moral character and from a physician certifying to sound health and unimpaired faculties. No person will be considered who is not in a good physical condition between the ages of 18 and 35. She must also show that she has a High School education or its equivalent. This is the minimum requirement, for women of superior education and culture are given preference provided they meet the requirements in other particulars.

The fitness of the applicant for the work and the propriety of dismissing or retaining her at the end of her term of probation, is left to the decision of the Superintendent of Nurses. Misconduct, disobedience, insubordination, inefficiency, or neglect of duty are causes for dissmissal at any time by the Superintendent of Nurses, with the approval of the President of the University.

Time: Students are admitted in February, June and September.

HOURS ON DUTY: During the probation term the students are on duty not more than six hours daily. During the Junior, Intermediate and Senior years, the students are on eight hour day duty, with six hours on Sunday and Holidays, and ten hour night duty. The night duty periods are approximately two months each, with one day at the termination of each term for rest and recreation. The period of night duty is approximately five or six months during the three years.

SICKNESS: A physician is in attendance each day, and when ill all students are cared for gratuitously. The time lost through illness in excess of two weeks, during the three years must be made up. Should the authorities of the school decide that through the time lost the theoretical work has not been sufficiently covered to permit the student to continue in that year, it will be necessary for her to continue her work with the next class.

VACATIONS: Vacations are given between June and September. A period of three weeks is allowed the student at the completion of the first year and four weeks at the completion of the second year.

EXPENSE: A student receives her board, lodging and a reasonable amount of laundry from the date of entrance. During her period of probation she provides her own uniforms made in accordance with the hospital regulations. After being accepted as a student nurse she wears the uniform furnished by the hospital. The student is also provided with textbooks and in addition to this is paid five dollars ($5.00) a month. Her personal expenses during the course of instruction and training will depend entirely upon her individual habits and tastes.

GENERAL PLAN OF INSTRUCTION.

The course of instruction covers a period of three years.

JUNIOR YEAR.

First Term.

The Junior Year is divided into two periods. The first term is the preparatory period (4 months) and the second the junior term.

In the preparatory term the student is given practical instruction in:—

I. The making of hospital and surgical supplies. The cost of hospital materials, apparatus and surgical instruments.
II. Household economics and the preparation of foods.
III. The hospital out-patients department and dispensary.

During this term the practical work is done under constant supervision, and teaching is given correlatively.

Excursions are made to markets, hygienic dairies, linen rooms, laundry and store room.

The maximum number of hours per week in formal instructions divided into laboratory and lecture periods is thirty hours and includes courses in Anatomy and Physiology, Dietetics, Materia Medica, Personal Hygiene, Drugs and Solutions, Household Economics, Short course in Ethics and History of Nursing.

At the close of the first half of Junior Year the students are required to pass satisfactorily both the written and oral tests, and failure to do so will be sufficient reason to terminate the course at this point.

SUBSEQUENT COURSE.

The course of instruction, in addition to the probationary period, occupies two and three-fourths years, and students are not accepted for a shorter period.

After entering the wards, the students are constantly engaged in practical work under the immediate supervision and direction of the head nurses and instructors.

JUNIOR YEAR.

Second Term.

During this period the students receive theoretical instruction in Massage, Bacteriology, General Surgery and Introductory Medicine. Practical instruction is received in the male and female, medical, surgical and childrens' wards.

INTERMEDIATE YEAR.

During this period the theoretical instruction includes Pediatrics, General Medicine, Infectious Diseases, Obstetrics, Gynecology and Orthopedics. The practical work provides experience in the nursing of obstetrical and gynecological patients, in the operating rooms and the out-patient department.

SENIOR YEAR.

During this period the student receives short courses of lectures on subjects of special interest. This includes a consideration of the work of institutions of public and private charities, of settlements, and various branches of professional work in nursing.

Experience is given in executive and administration work to those showing exceptional ability in the Senior Year. With these students conferences are held on administration and teaching problems.

EXAMINATIONS: At the end of the first half year, students are examined in Anatomy, Physiology, Materia Medica, Dietetics and Hygiene. At the end of the first year in Surgery and Bacteriology.

During the second year they are examined in Urinalysis, Massage, Gynecology, General Medicine, Infectious Diseases, Obstetrics and Pediatrics. At the end of the third year the final examination in Nervous and Mental Diseases, Diseases of Special Senses, Venereal Diseases, Ethics and History of Nursing.

Examinations—which are both written and oral—include practical tests, and the standing of the student is based upon the general character of work throughout the year, as well as the results of the examinations. Students must pass upon all subjects before entering upon the work of the following year.

GRADUATION: The diploma of the School will be awarded to those who have completed satisfactorily the full term of three years and have passed successfully the final examinations.

SCHOLARSHIPS: One scholarship has been established by the Alumnae of the Training School. It entitles a nurse to six weeks course at Teachers College, New York. This scholarship is awarded at the close of the third year to the student whose work has been of the highest excellence, and who desires to pursue post-graduate study and special work.

An Alumnae Pin is presented by the Women's Auxiliary Board to the student who at the completion of three years shows exceptional executive ability.

GRADUATING CLASS.

Miss Helen Louise Dunn...Maryland
Miss Helen Stedman Teeple Maryland
Miss Wilhelmina Neville McCann Maryland
Miss Ida Marie Nagel.....Maryland
Miss Dorothy Lucille Hazen Pennsylvania
Miss Irene Agnes Maxwell..Maryland
Miss Kathryn Elizabeth Horst Maryland
Miss Marie E. Chalmers Schroeder Maryland
Miss Evelyn Pearl Graham Pennsylvania
Miss Margaret May Stailey Pennsylvania

Miss Ruth Winifred Boyd--Maryland
Miss Kittie Rowland Toms.Maryland
Miss Martha Marie Hoffman
Maryland
Miss Kathryn Ames Reade--Virginia
Miss Regina Medora West
West Virginia
Miss Hulda Famous Harkins Maryland
Miss Mary Margaret Herrington
Pennsylvania
Miss Lillie Ruth Hoke-----Maryland
Miss Ruth Anna White----Maryalnd
Miss Vilma Katherine Kish
New Jersey
Miss Anna Elizabeth Pratt.
Maryland

THE MERCY HOSPITAL TRAINING SCHOOL FOR NURSES.

The Mercy Hospital Training School for Nurses, conducted by the Sisters of Mercy, was organized and incorporated under the general laws of the State of Maryland in 1899. Its first students were graduated in 1901; and on the passage of the bill for registration in 1904, the Sisters of Mercy, connected with the Hospital service, received certificates as registered nurses.

The Training School was affiliated with the Board of Regents of the State of New York in 1906; and in the same year the Alumnae Association was incorporated, having been previously connected with the Associated Alumnae of the United States.

The graduates, as active members, have been much interested in the movements of the Maryland Association of Graduate Nurses, to whom they have given every encouragement to uplift the profession in its many works of district nursing, tuberculosis campaign, Red Cross movements, etc.

The requirements for entrance are: Highest moral standing, health, intelligence and a High School education or its equivalent. The age limit is twenty to thirty-five years.

After a three months' probation, candidates, if they posesss the necessary qualifications, are admitted to the Training School proper, receiving five dollars a month wherewith to secure textbooks, etc., the education they receive being considered their compensation. The right is reserved to dismiss pupils for any cause which may be deemed sufficient by the Sister Superior or Superintendent.

The course of training comprises three years of theory and practice. The clinical advantages are exceptional. The medical, surgical, orthopedic, gynecological, obstetrical, children's and dietetic departments give valuable practical experience. The

nurses are taught the theory of nursing by class recitations and demonstrations by efficient Sister instructors. Supplementing this training is a course of lectures from the professors of the University of Maryland School of Medicine, who are untiring in their efforts to keep the School abreast with modern scientific developments.

GRADUATING CLASS.

Helen Elizabeth Becker	Pennsylvania
Margaret Elizabeth Boylan	Pennsylvania
Gertrude Marie Byrne	New York
Nellie Marie Casey	Virginia
Eleanor Josephine Coakley	Maryland
Catherine Louise Conroy	Maryland
Florence Mary Coolahan	Maryland
Florence Alma De Lone	Pennsylvania
Helen Teresa Frierson	Georgia
Elsie Retiza Fritz	Pennsylvania
Anna Vaughn Haas	Pennsylvania
Gertrude Marie Hagan	Maryland
Agnes Sophie Keim	Pennsylvania
Agnes Marie Leurs	Maryland
Elizabeth Mary McGovern	Maryland
Mary Virginia McGrady	West Virginia
Stella Agnes McGraw	Pennsylvania
Blanche Estelle Mitchell	Canada
Elizabeth Frances Ryan	Delaware
Marie Luella Stansbury	Maryland
Ruth Tighe	Maryland
Mary Esther Vaughn	Maryland
Angela Ursula Walsh	Maryland
Mary Agnes Wharton	Trinidad
Rose Catherine Wright	Maryland
Inez Cecelia Young	Pennsylvania

ENDOWMENT FUND.

The following, all Alumni of the University, constitute the Board of Trustees of this Fund:

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